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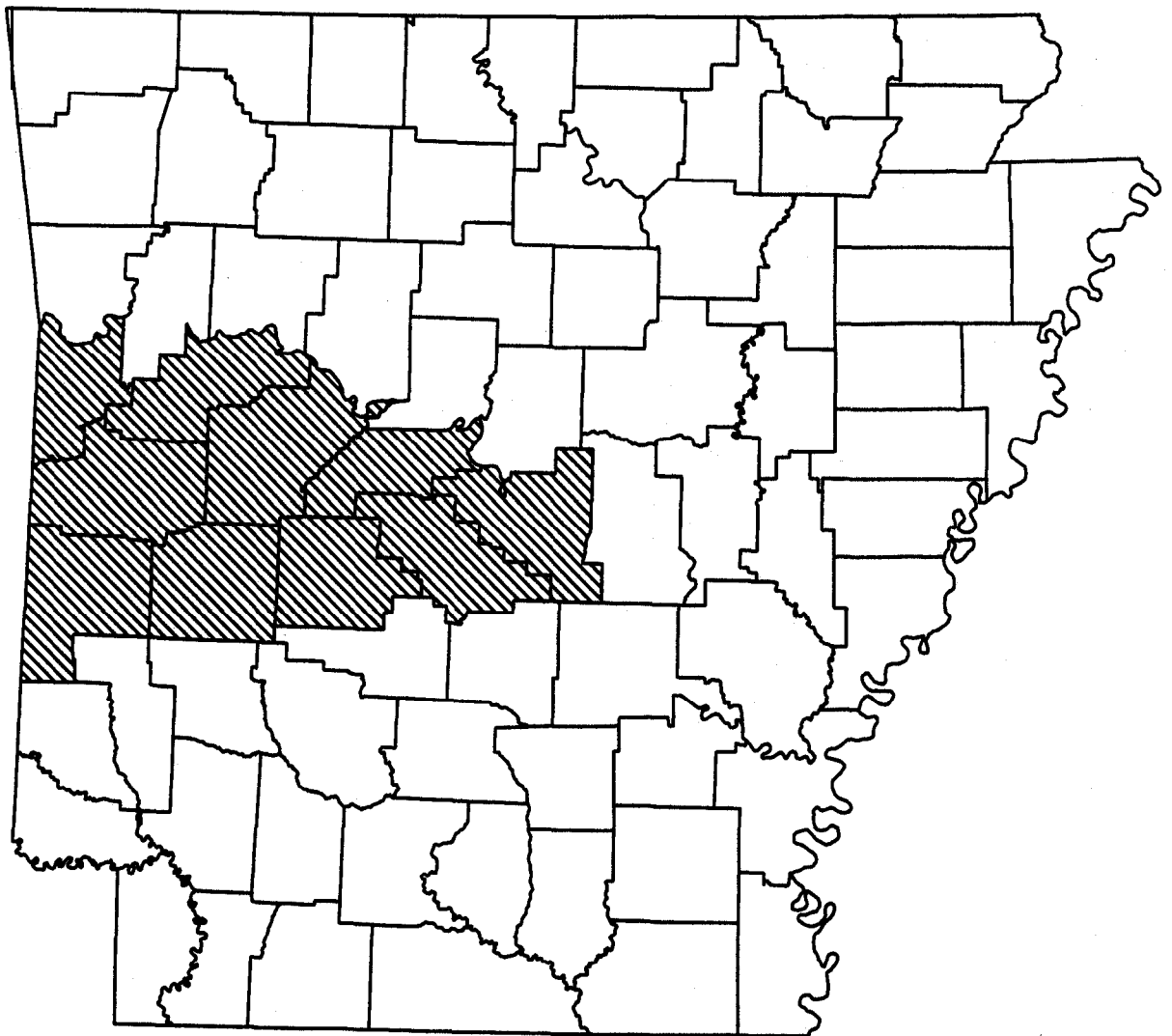


Southern
Research Station

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Forest Statistics for Arkansas' Ouachita Counties-1995

James F. Rosson, Jr., and Jack D. London



FOREWORD

Periodic surveys of forest resources are authorized by the Forest Service and Rangeland Renewable Resources Research Act of 1978. These surveys are a continuing, nationwide undertaking by the Regional Experiment Stations of the USDA Forest Service. In the Southern United States, these surveys are conducted by the two Forest Inventory and Analysis (FIA) Research Work Units at the Southern Research Station, Asheville, North Carolina. The two FIA units, one located in Starkville, Mississippi and the other in Asheville, North Carolina, are responsible for inventories of 13 Southern States and the Commonwealth of Puerto Rico. The primary objective of the surveys is to periodically inventory and evaluate all forests and their related resources. These multiresource data help provide a basis for formulating forest policies and programs and for the orderly development and use of the resources. This report deals only with the extent and condition of forest land, associated timber volumes, and rates of timber growth, mortality, and removals.

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CONTENTS

INTRODUCTION	1
METHODS	1
STATISTICAL RELIABILITY	2
HIGHLIGHTS	3
Timberland Area	3
Forest Type	3
Ownership	3
Stand Size	3
Stand Structure	3
Softwood Volume	3
Hardwood Volume	3
Growth	3
Removals	4
Mortality	4
APPENDIX	4
Definition of Terms	4
Core Tables 1 through 25*	7
Supplemental Tables 26 through 44	22
Figures 1 through 8	36

*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the Eastern United States.



Figure 1.-Forest survey regions in Arkansas.

Forest Statistics for Arkansas' Ouachita Counties-1995

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INTRODUCTION

Tabulated results were derived from data obtained during a 1995 continuous forest inventory of Arkansas' Ouachita counties (fig. 1). These data are considered preliminary; a finalized State analytical report will be published after all survey units in the State have been inventoried. Core tables (1 through 25) are compatible among Forest Inventory and Analysis units in the Eastern United States. Supplemental tables (26 through 44) provide information beyond that provided by the core tables. Comparisons are made between results of the 1995 inventory and the previous inventory conducted in 1988.

METHODS

The Southern Research Station, **Midsouth** Forest Inventory and Analysis (MIDSO-FIA) unit uses a two-phase sample of temporary aerial-photo points and a systematic grid of permanent ground plots. The area of forested land was determined by photointerpretation of temporary points and field checks of permanent plots. Field measurements were conducted on a subset of permanent plots spaced 3 miles apart. Trees were measured on plots that were forested at the time of the current inventory or were forested at the time of the previous inventory.

Each plot consisted of 10 satellite points spread over about 1 acre. At each point, trees 5.0 inches in diameter at breast height (d.b.h.) and larger were selected for measurement on a variable-radius plot defined by a **37.5-factor** prism. Thus, each tree selected with the prism represented 3.75 square feet of basal area per acre. Trees from 1.0 to 4.9 inches in d.b.h. were tallied on a 1/275-acre fixed plot at each of the first three points and at any remaining points where fewer than two trees 5.0 inches in d.b.h. or larger were tallied. If no trees greater than 1.0 inch were tallied at a point, then seedlings were tallied. Several plot-level measurements relating to timber and other forest resources were also collected.

Tree data were used to estimate volumes, basal areas, numbers of trees, and other plot-level variables. Ownership information was obtained for each measurement plot using tax records and other sources. Plot-level estimates were expanded using county-level factors derived as part of the forest area determination.

Over successive inventories, techniques have evolved so that some improvements have been implemented. In recent inventories these changes have been mostly minor in scale and have been incorporated because of the availability of better

methods or to achieve greater compatibility among Forest Inventory and Analysis units. These changes may, in some cases, affect the ability to discern minor shifts in resource trends.

The estimates of timberland area, volume, growth, removals, and mortality are based on the latest and most up-to-date inventory techniques available. There are important differences in the methods used between the 1988 and 1995 inventories. In many cases, improvements in methodology for deriving current estimates can raise concerns about apparent trends between survey periods. Because these differences might appear to cloud the comparisons between 1988 and 1995 results, the major differences in procedures follow.

First, to account for changes in a new definition of growing stock, trees classed as rough culls in 1978 and cut in 1988 were changed to growing stock (tree class 20). This procedure was not implemented in the 1995 survey because complete information pertinent to the new definition was collected in 1988. If a live tree classed as a rough cull in the 1988 survey was cut and utilized by the time of the remeasurement in 1995, its tree class remained a rough cull, which will affect direct comparisons of growing-stock growth, removals, and mortality.

Second, a decrease in the utilizable volume allowance was used to classify trees as growing stock or cull. In the 1995 survey, at least one-third of the volume in the **sawlog** section (or prospective volume, in the case of smaller-than-sawtimber size trees) had to be utilizable. In previous surveys of Arkansas, one-half the volume had to be utilizable. In previous inventories in the **Midsouth** States, few trees have been affected where this change has been implemented.

Third, the land area base provided by the U.S. Census Bureau has changed. Because the timberland area is determined by summarizing forest vs. nonforest dot counts on aerial photographs (in each county) and then applying the resulting proportions to the Census Bureau land base, a change in the land base between measurement periods will affect area trends. The 1988 survey used the 1980 U.S. Census Bureau land area estimates; the 1995 survey used the 1990 Census Bureau estimates. Much of the change is due to the Census Bureau's new definition of the water classification; a small portion of area previously classified as land is now classified as water. Because the land area estimates between 1980 and 1990 decreased only 2,911 acres for the State, the effect on timberland area trends will be negligible.

To account for these modifications and to better assess trends, the analysis of change in inventory volume, growth, removals, and mortality will focus on live trees rather than on growing stock as has been the practice in the past.

Table I.-Sampling errors* (for one standard error) for timberland, live trees, growing stock, and sawtimber, Ouachita counties, Arkansas. 1995

County	Timberland	Live trees			Growing stock			Sawtimber volume
		Volume	Growth	Removals	Volume	Growth	Removals	
		Percent						
Garland	1.2	8.6	10.0	39.6	9.2	10.4	39.6	14.2
Logan	2.4	17.1	19.6	52.1	18.5	21.8	53.7	23.7
Montgomery	1.5	7.6	21.9	30.7	8.0	18.2	31.6	10.9
Perry	2.5	10.9	9.4	26.5	11.4	9.7	26.5	15.3
Polk	2.3	6.7	11.2	26.2	7.1	11.8	26.8	11.2
Pulaski	2.6	10.0	12.8	28.3	11.0	14.0	29.0	14.9
Saline	2.3	12.2	9.6	21.5	12.8	10.5	21.9	17.4
Scott	1.8	7.1	9.4	28.3	7.4	9.0	28.7	9.9
Sebastian	3.7	15.4	29.0	100.0	19.3	31.8	100.0	27.2
Yell	1.5	6.8	10.1	33.2	7.1	10.2	33.8	10.1
All counties	0.7	3.1	4.1	10.4	3.2	4.1	10.6	4.5

*By the binomial formula for timberland area and by the random-sampling formula for live tree, growing stock, and sawtimber parameters.

STATISTICAL RELIABILITY

The sampling methods were designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table I are equal to one standard error for the sample estimates and may be used to compute confidence intervals for population data.

As an example, the **95-percent** confidence interval for growing-stock volume in Arkansas' Ouachita counties is computed as follows:

$$4,108.2 \pm 1.96(0.032 \times 4,108.2) = 4,108.2 \pm 257.7$$

where 1.96 is the number of standard deviations. Therefore, the 95-percent confidence interval is **3,850.5** to **4,365.9** million cubic feet. This interval covers the true growing-stock inventory volume for the region unless a 1-in-20 chance of a random event has occurred.

The results are reported for individual counties, thereby allowing computation of statistical confidence for any combination of counties. Values for individual counties are subject to high sampling errors; users are cautioned about using data for single counties. The sampling error may be estimated for any group of counties by the following formula:

$$SE_g = SE_g^c / \sqrt{X_g}$$

where

SE_g = standard error of the estimate (expressed as a percentage) for the group of counties desired

SE_t = standard error of the estimate (expressed as a percentage) for the unit

X_t = total area or volume for the unit

X_g = sum of values for the variable of interest (area or volume) for the group of counties to be combined.

For example, an estimate of the sampling error for **growing-stock** volume in Logan, Scott, and Yell Counties is computed as:

$$SE_g = 3.2 \frac{\sqrt{4,108.2}}{\sqrt{11,496.9}} = 5.3 \%$$

Thus, the sampling error is 5.3 percent, and the resulting 95-percent confidence interval for growing-stock volume in the three-county area is **1,469.9** \pm 155.5 million cubic feet.

Table II-Components of annual change in the volume of live trees by inventory period and species group, Ouachita counties, Arkansas, 1995*

Inventory period and species group	Gross growth		
	Net growth	Mortality	Removals
	----- Million cubic feet -----		
1978 to 1988			
Softwoods	64.8	10.2	94.9
Hardwoods	43.1	19.7	30.3
Total	107.9	29.9	125.2
1988 to 1995			
Softwoods	102.1	9.0	61.2
Hardwoods	52.4	12.6	26.0
Total	154.5	21.6	87.2

*Numbers in columns may not add to totals due to rounding.

HIGHLIGHTS

Timberland Area

Timberland area increased 240,000 acres since the last survey. Current timberland area for the unit is **3,413,200** acres. Reversions to timberland were 320,500 acres while 80,300 acres of timberland diverted to a nonforest class. Seventy-seven percent of the reverted acres were from agriculture land. Approximately one-half of the diverted acres were to agriculture land.

Forest Type

The predominant forest type group (38 percent) in the Ouachita Unit is the loblolly-shortleaf pine type group. This type occurs on **1,288,400** acres, a **248,200-acre** increase since the last inventory. Following closely in dominance is the oak-hickory forest type group, with **1,118,600** acres (no change since the 1988 survey). Other forest type groups in the unit are the oak-pine (791,600 acres) and the oak-gum-cypress (214,700 acres).

Ownership

National forest land is the largest ownership category in the Ouachita Unit, at **1,319,800** acres. The nonindustrial private forest (NIPF) category ranked second. The timberland area increase was primarily attributed to the NIPF category where there was a **216,200-acre** increase.

Stand Size

The Ouachita Unit has a fairly even distribution of the three stand-size classes. Sawtimber size leads **with 1,454,000** acres; poletimber follows with **1,234,500** and sapling-seedling size with **724,700**. Both sawtimber and poletimber areas have increased since the last survey while the amount of timberland in sapling-seedling sized stands decreased by **246,800** acres.

Stand Structure

The number of live softwood trees increased across the range of diameter classes with the exception of a decrease in the 4-inch class. Largest increases were in the 2-, 6-, and 8-inch diameter classes.

The number of live hardwood trees also increased across the range of diameter classes. Only the 4-inch class showed a decrease in number of trees.

The basal area for all live trees averaged 86.4 square feet per acre, up 10 percent from the 1988 survey (78.4 square feet per acre). Both the softwood and hardwood components increased since the last survey. Fifty-six percent of the basal area is in hardwoods.

Softwood Volume

Softwood live-tree volume increased by **431.2** million cubic feet to a present inventory of **2,513.4 million** cubic feet. Volume increased in every diameter class. Shortleaf pine is the dominant softwood in the unit, with 85 percent of the total softwood volume, or **2,142.8** million cubic feet. Current total softwood sawtimber volume is **10,070** million board feet.

Hardwood Volume

Hardwood live-tree volume increased by **350.7** million cubic feet to a present inventory of **1,942.4** million cubic feet. Volume increased in every diameter class. Current total hardwood sawtimber volume is **4,016** million board feet.

Growth

Softwood live-tree net growth averaged 102.1 million cubic feet per year, up 58 percent from the 1988 survey (table II).

Hardwood live-tree net growth averaged 52.4 million cubic feet per year, up 22 percent from the previous survey (table II).

Removals

Softwood live-tree removals are 61.2 million cubic feet per year, a 36 percent increase since the last survey. The growth-to-removal ratio is 1.7 to 1.0.

Hardwood live-tree removals are 26.0 million cubic feet per year, a 14 percent decrease since 1988. The growth-to-removal ratio is 2.0 to 1.0.

Mortality

Live-tree mortality has decreased slightly for both softwoods and hardwoods. Currently, softwood mortality is averaging 9.0 million cubic feet per year. Hardwood mortality averages 12.6 million cubic feet per year, a decrease of 7.1 million cubic feet per year from that reported in the 1988 survey.

APPENDIX

Definition of Terms

Dimension Classes of Trees

Poletimber trees—Softwoods 5.0 to 8.9 inches in diameter at breast height (d.b.h.) and hardwoods 5.0 to 10.9 inches in d.b.h.

Rough, rotten, and salvable dead trees—See “tree classes.”

Saplings—Trees 1.0 to 4.9 inches in d.b.h.

Sawtimber trees—Trees 9.0 inches and larger in d.b.h. for softwoods and 11.0 inches and larger for hardwoods.

Seedlings—Trees less than 1.0 inch in d.b.h. and greater than 1 foot tall for hardwoods, greater than 6 inches tall for softwoods, and greater than 0.5 inch in diameter at ground level for longleaf pine.

Forest Land Classes

Forest land—Land at least 10 percent stocked by forest trees of any size, or formerly having such tree cover and not currently developed for nonforest uses. Minimum area considered for classification is 1 acre. Forest land is divided into timberland, reserved timberland, and woodland.

Reserved timberland-Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

Timberland-Forest land that is producing, or is capable of producing, crops of industrial wood and is not withdrawn from timber utilization. Timberland is synonymous with “commercial forest land” in previous reports.

Woodland—Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

Forest Type Groups

Elm-ash-cottonwood-Forests in which elms, ashes, or cottonwoods, singly or in combination, comprise a plurality of the stocking. Common associates include willows, sycamore, American beech, and maples.

Loblolly-shortleaf pine-Forests in which pines (except longleaf and slash pines) and eastern redcedar, singly or in combination, comprise a plurality of the stocking. Common associates include oaks, hickories, and gums.

Longleaf-slash pine-Forests in which longleaf or slash pines, singly or in combination, comprise a plurality of the stocking. Common associates include other southern pines, oaks, and gums.

Nontyped-Timberland currently unoccupied by any live trees or seedlings; for example, very recent clearcut areas.

Oak-gum-cypress—Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprises a plurality of the stocking except where pines comprise 25 to 49 percent, in which case the stand would be classified as oak-pine. Common associates include cottonwoods, willows, ashes, elms, hackberry, and maples.

Oak-hickory—Forests in which upland oaks or hickories, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 49 percent, in which case the stand would be classified as oak-pine. Common associates include yellow-poplar, elms, maples, and black walnut.

Oak-pine—Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking, but in which softwoods, except cypress, comprise 25 to 49 percent of the stocking. Common associates include gums, hickories, and yellow-poplar.

Growth Classes

Gross growth—Total increase in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Gross growth equals survivor growth, plus ingrowth, plus growth on removals, plus growth on mortality, plus cull increment (for growing stock computations). Gross growth includes mortality.

Net change—Increase or decrease in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Net change is equal to net growth minus removals.

Net growth—Increase in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Net growth is equal to gross growth minus mortality.

Miscellaneous Definitions

Average annual mortality—Average annual sound-wood volume of growing-stock or live trees that died from natural causes during the intersurvey period.

Average annual removals—Average net annual volume of growing-stock or live trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use during the intersurvey period.

Average net annual growth—Average net annual volume increase of growing-stock or live trees during the intersurvey period.

Basal area-The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed in square feet per acre.

Cull increment-The change in growing-stock volume due to growing-stock, rough, or rotten trees changing tree class between surveys.

D. b. h. (diameter at breast height)-Tree diameter in inches, outside bark, usually measured at 4.5 feet above ground.

Diameter classes-The 2-inch diameter classes extend from 1.0 inch below to 0.9 inch above the stated midpoint. Thus, the 12-inch class includes trees 11.0 inches through 12.9 inches in d.b.h.

D.o.b. (diameter outside bark)-Stem diameter including bark.

Log grades-A classification of logs based on external characteristics as indicators of quality or value.

Mortality--Number or sound-wood volume of growing-stock trees or live trees that died from natural causes during a specified period.

Natural stands-Stands with no evidence of artificial regeneration including those stands established by seed-tree regeneration methods.

Plantations-Planted or artificially seeded stands.

Removals-The net volume of growing-stock or live trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use.

Sawlog portion-That portion of the bole of a sawtimber tree between a 1-foot stump and the sawlog top.

Sawlog top--The point on the bole of a sawtimber tree above which a sawlog cannot be produced. The minimum sawlog top is 7.0 inches in d.o.b. for softwoods and 9.0 inches in d.o.b. for hardwoods.

Select red oaks-A group of several red oak species composed of cherrybark, Shumard, and northern red oaks. Other red oak species are included in the "other red oaks" group.

Select white oaks-A group of several white oak species composed of white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks. Other white oak species are included in the "other white oaks" group.

Site class-A classification of forest land in terms of its potential capacity to grow crops of industrial wood.

Tree grade-A classification of the sawlog portion of sawtimber trees based on: (1) the grade of the butt log or (2) the ability to produce at least one 12-foot or two 8-foot logs in the upper section of the sawlog portion. Tree grade is an indicator of quality; grade 1 is the best quality.

Upper-stem portion-That part of the main stem of a sawtimber tree above the sawlog top to a d.o.b. of 4.0 inches or to the point where the main stem breaks into limbs.

Ownership Classes

Farmer-owned land-Lands operated as a unit of 10 acres or more and from which the sale of agricultural products totals \$1,000 or more annually.

Forest industry land-Lands owned by companies or individuals operating wood-using plants (either primary or secondary).

National forest land-Federal lands that have been legally designated as national forests or purchase units and other lands under the administration of the Forest Service, including experimental areas.

Nonindustrial private land (corporate)-Lands privately owned by private corporations other than forest industries and incorporated farms.

Nonindustrial private land (individual)-Lands privately owned by individuals other than forest industries or farmers.

Other Federal land-Federal lands other than national forests.

State, county, and municipal land-Lands owned by States, counties, and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Stand-size Classes

Nonstocked stands-Stands less than 10 percent stocked with live trees.

Poletimberstands-Stands at least 10 percent stocked with live trees, with half or more of this stocking in sawtimber or poletimber trees, and with poletimber stocking exceeding that of sawtimber stocking.

Sapling-seedling stands-Stands at least 10 percent stocked with live trees, with more than half of this stocking in saplings or seedlings.

Sawtimber stands-Stands at least 10 percent stocked with live trees, with half or more of this stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Stocking

Stocking is a measure of the extent to which the growth potential of the site is utilized by trees or preempted by vegetative cover. Stocking is determined by comparing the stand density in terms of number of trees or basal area with a specified standard. Therefore, full stocking is 100 percent of the stocking standard.

The following tabulation shows the density standard in terms of trees per acre by size class required for full stocking.

D.b.h.	Trees per acre	D.b.h.	Trees per acre
<i>Inches</i>		<i>Inches</i>	
Seedlings	600	16	72
2	560	18	60
4	460	20	51
6	340	22	42
8	240	24	36
10	155	26	31
12	115	28	27
14	90	30	24

Stocking categories are arbitrarily defined as follows:

Optimally stocked—Stands 61 to 100 percent stocked with growing-stock trees. These stands are growing toward a fully stocked condition (ideal space required for each tree increases with age). Optimum growth and bole form occur in this range.

Overstocked—Stands greater than 100 percent stocked with growing-stock trees. These stands will become stagnant with the mortality of individuals increasing as stocking increases over 100 percent.

Understocked—Stands 0 to 60 percent stocked with growing-stock trees. These stands will take a very long time to reach full stocking. Meanwhile, poor bole form will result, and much of the productivity will be placed on heavy limbs instead of on the bole.

Tree Classes

Commercial species—Tree species currently or potentially suitable for industrial wood products.

Cull trees—Rough or rotten trees.

Growing-stock trees—Living trees of commercial species classified as sawtimber, poletimber, saplings, and seedlings. Trees must contain at least one **12-foot** or two 8-foot logs in the **sawlog** portion currently or potentially (if too small to qualify) to be classed as growing stock. The log(s) must meet dimension and merchantability standards to qualify. Trees must also have currently or potentially one-third of the gross board-foot volume in sound wood.

Hardwoods—Dicotyledonous trees, usually broad leaved and deciduous.

Live trees—All living trees. Included are all size classes, all tree classes, and both commercial and noncommercial species.

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial wood products.

Rotten trees—Live trees of commercial species that are unmerchantable for **sawlogs** currently or potentially because of rot deduction in the **sawlog** section. See definition of growing-stock trees.

Rough trees—Live trees of commercial species that are unmerchantable for **sawlogs** currently or potentially because of roughness or poor form in the **sawlog** section. Also included are all live trees of noncommercial species. See definition of growing-stock trees.

Salvable dead trees—Standing or downed dead trees that were formerly growing stock and are considered merchantable. Trees must be at least 5.0 inches in d.b.h. to qualify.

Softwoods—Coniferous trees, usually evergreen, having leaves that are needles or scalelike.

Volume

Volume of cull—The cubic-foot volume of sound wood in rough and rotten trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of growing stock—The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of live trees—The cubic-foot volume of sound wood in growing-stock, rough, and rotten trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum **4.0-inch** top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of sawlog portion of sawtimber trees—The cubic-foot volume of sound wood in the **sawlog** portion of **sawtimber** trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Volume of sawtimber—The board-foot volume (International **1/4-inch** Rule) of sound wood in the **sawlog** portion of sawtimber trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Volume of timber—The cubic-foot volume of sound wood in growing-stock, rough, rotten, and salvable dead trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Core Tables 1 through 25

Table 1.-Area by county and land class, Ouachita counties, Arkansas, 1995 *

County	All land+	Forest land				Nonforest land
		Total	Timberland	Woodland	Reserved	
					timberland	
<i>Thousand acres</i>						
Garland	434.0	348.3	343.8	0.0	4.5	85.6
Logan	454.3	301.4	297.1	0.0	4.3	152.9
Montgomery	499.8	440.5	440.4	0.0	0.0	59.4
Perry	352.6	290.9	288.3	0.0	2.6	61.7
Polk	550.0	427.4	400.3	5.6	21.5	122.6
Pulaski	493.4	206.8	206.7	0.0	0.1	286.6
Saline	463.8	376.7	363.0	5.9	7.8	87.2
Scott	572.1	479.4	470.0	5.7	3.8	92.7
Sebastian	343.3	186.0	175.2	0.0	10.7	157.3
Yell	593.8	428.2	428.2	0.0	0.0	165.6
All counties	4,757.3	3,485.6	3,413.2	17.3	55.2	1,271.7

*Numbers in columns and rows may not add to totals due to rounding.

†From the U.S. Bureau of the Census.

Table 2.-Area of timberland by county and ownership class, Ouachita counties, Arkansas, 1995*

County	All ownerships	National forest	Misc. Federal	State	County and municipal	Forest industry+	Farmer	Corporate+	Individual+
<i>Thousand acres</i>									
Garland	343.8	112.2	5.4	0.0	5.4	123.9	0.0	16.2	80.8
Logan	297.1	14.1	28.3	0.0	0.0	28.3	94.3	0.0	132.1
Montgomery	440.4	331.0	6.4	0.0	6.4	45.1	12.9	12.9	25.7
Perry	288.3	92.1	0.0	5.5	0.0	141.7	38.2	0.0	10.9
Polk	400.3	179.6	0.0	5.5	0.0	93.8	33.1	0.0	88.3
Pulaski	206.7	0.0	27.9	0.0	5.6	44.7	33.5	39.1	55.9
Saline	363.0	45.3	0.0	0.0	5.7	141.8	17.0	22.7	130.5
Scott	470.0	355.2	0.0	0.0	0.0	14.4	14.4	7.2	78.9
Sebastian	175.2	4.1	52.7	0.0	0.0	0.0	46.1	0.0	72.4
Yell	428.2	186.2	17.3	17.3	0.0	63.4	40.3	5.8	98.0
All counties	3,413.2	1,319.8	138.0	28.3	23.1	697.0	329.8	103.8	773.4

*Numbers in columns and rows may not add to totals due to rounding.

†Includes land leased to forest industries.

‡Land owned by Indians will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

Table 3.-Area of timberland by county and forest type group, Ouachita counties, Arkansas, 1995*

County	Total	Forest type. group				
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress
		Planted	Natural			
----- Thousand acres -----						
Garland	343.8	91.0	51.9	73.1	127.8	0.0
Logan	297.1	0.8	82.9	96.8	107.1	9.4
Montgomery	440.4	57.8	119.5	114.7	148.5	0.0
Perry	288.3	38.5	122.7	55.1	55.7	16.4
Polk	400.3	49.9	45.8	118.4	180.4	5.8
Pulaski	206.7	5.6	39.1	33.5	95.0	33.5
Saline	363.0	79.4	55.5	82.8	111.2	34.0
Scott	470.0	46.2	187.7	95.7	133.2	7.2
Sebastian	175.2	0.0	23.9	26.3	85.6	39.5
Yell	428.2	45.8	144.4	95.1	74.1	68.9
All counties	3,413.2	415.0	873.4	791.6	1,118.6	214.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 4.-Area of timberland by county and stand-size class, Ouachita counties, Arkansas, 1995'

County	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
----- Thousand acres -----					
Garland	343.8	125.3	148.8	69.7	0.0
Logan	297.1	73.5	135.4	88.2	0.0
Montgomery	440.4	258.3	105.9	76.2	0.0
Perry	288.3	128.1	99.3	60.9	0.0
Polk	400.3	130.2	197.8	72.3	0.0
Pulaski	206.7	78.2	72.6	55.9	0.0
Saline	363.0	157.6	99.8	105.5	0.0
Scott	470.0	224.8	159.7	85.5	0.0
Sebastian	175.2	43.6	72.4	59.2	0.0
Yell	428.2	234.3	142.6	51.3	0.0
All counties	3,413.2	1,454.0	1,234.5	724.7	0.0

*Numbers in columns and rows may not add to totals due to rounding.

Table 5.-Area of timberland by county and site class, Ouachita counties, Arkansas, 1995*

County	All classes	Site class (cubic feet/acre/year)				
		>165	120-165	85-120	50-85	<50
-----Thousand acres-----						
Garland	343.8	5.4	10.8	100.9	163.6	63.2
Logan	297.1	9.4	9.4	19.7	199.5	59.1
Montgomery	440.4	0.0	23.3	102.6	268.0	46.5
Perry	288.3	0.0	0.0	44.8	221.4	22.1
Polk	400.3	0.0	5.5	123.0	215.5	56.3
Pulaski	206.7	0.0	11.2	67.1	95.0	33.5
Saline	363.0	0.0	17.0	119.1	206.4	20.4
Scott	470.0	7.2	17.8	92.3	310.3	42.4
Sebastian	175.2	6.6	0.0	6.6	76.5	85.6
Yell	428.2	23.0	39.5	89.9	235.4	40.3
All counties	3,413.2	51.6	134.4	766.1	1,991.6	469.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 6.-Area of timberland by county and stocking class of growing-stock trees, Ouachita counties, Arkansas, 1995*

County	All classes	Stocking class <i>(percent)</i>				
		>130	100-130	60-100	16.7-60	<16.7
<i>-----Thousand acres-----</i>						
Garland	343.8	15.9	79.7	205.8	42.5	0.0
Logan	297.1	0.0	44.4	119.0	124.3	9.4
Montgomery	440.4	33.7	146.0	206.9	53.8	0.0
Perry	288.3	22.7	83.6	149.0	33.0	0.0
Polk	400.3	5.8	73.4	265.1	56.0	0.0
Pulaski	206.7	0.0	27.9	134.1	44.7	0.0
Saline	363.0	9.1	108.9	199.6	45.4	0.0
Scott	470.0	15.9	168.4	250.1	35.6	0.0
Sebastian	175.2	0.0	4.1	79.0	92.1	0.0
Yell	428.2	0.0	117.9	259.1	51.3	0.0
All counties	3,413.2	103.0	854.3	1,867.8	578.7	9.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 1.-Area of timberland by forest type group and ownership class, Ouachita counties, Arkansas, 1995*

Forest type group	All ownerships	National forest	Other public	Forest industry	Forest industry- leased	Other private
<i>----- Thousand acres -----</i>						
Loblolly-shortleaf pine	1,288.3	635.5	35.9	417.2	0.0	199.8
Softwood total	1,288.3	635.5	35.9	417.2	0.0	199.8
Oak-pine	791.6	340.4	16.8	161.0	0.0	273.5
Oak-hickory	1,118.6	332.7	66.7	113.1	0.0	606.1
Oak-gum-cypress	214.7	11.3	70.0	5.8	0.0	127.6
Hardwood total	2,124.9	684.4	153.5	279.8	0.0	1,007.2
All trees	3,413.2	1,319.8	189.3	697.0	0.0	1,207.0

*Numbers in columns and rows may not add to totals due to rounding.

Table 1.-Area of timberland by ownership and stocking class of growing-stock trees, Ouachita counties, Arkansas, 1995*

Ownership class	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
----- <i>Thousand acres</i> -----						
National forest	1,319.8	86.8	412.3	725.5	95.2	0.0
Other public	189.3	0.0	46.7	70.5	72.1	0.0
Forest industry	697.0	10.8	198.4	393.5	94.3	0.0
Other private	1,207.0	5.5	196.8	678.2	317.1	9.4
All ownerships	3,413.2	103.0	854.3	1,867.8	578.7	9.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 9.-Area of timberland by forest type group and stand-size class, Ouachita counties, Arkansas, 1995*

Forest type group	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
		----- Thousand acres -----			
Loblolly-shortleaf pine	1,288.3	695.5	394.3	198.5	0.0
Softwood total	1,288.3	695.5	394.3	198.5	0.0
Oak-pine	791.6	326.4	306.6	158.6	0.0
Oak-hickory	1,118.6	305.0	475.0	338.5	0.0
Oak-gum-cypress	214.7	127.0	58.6	29.1	0.0
Hardwood total	2,124.9	758.5	840.2	526.2	0.0
All types	3,413.2	1,454.0	1,234.5	724.7	0.0

*Numbers in columns and rows may not add to totals due to rounding.

Table 10.-Number of live trees on timberland by species and diameter class, Ouachita counties, Arkansas, 1995*

		Diameter class (inches at breast height)											
Species	All classes	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
-----Thousand trees-----													
Shortleaf-loblolly pines	547,860	199,057	98,946	101,153	62,579	36,793	24,822	14,463	6,020	2,569	1,036	419	4
cypress	1,881	500	0	193	241	345	205	145	107	37	37	44	27
Other softwoods	82,890	61,311	9,560	6,688	3,273	1,292	435	258	35	0	22	16	0
Total softwoods	632,631	260,868	108,505	108,034	66,094	38,430	25,463	14,866	6,161	2,606	1,096	478	31
Select white oaks	170,491	73,915	34,021	24,927	16,296	10,642	3,960	2,675	1,809	1,061	657	509	19
Select red oaks	57,623	24,124	12,097	5,651	5,123	5,174	2,767	1,369	520	421	158	171	47
Other white oaks	128,165	58,655	24,539	20,057	10,060	6,149	3,978	2,246	1,435	499	231	313	4
Other red oaks	104,375	59,178	19,374	7,923	5,421	4,948	2,483	1,651	1,396	830	522	565	83
Hickories	210,871	124,277	45,919	22,950	10,182	3,976	2,303	738	276	146	61	44	0
Hard maples	4,216	4,002	0	86	128	0	0	0	0	0	0	0	0
Soft maples	104,477	84,685	13,092	4,023	1,595	480	328	143	64	23	22	22	0
Beech	894	514	0	261	0	73	25	0	0	0	0	21	0
Sweetgum	99,859	49,441	26,972	10,539	5,213	3,164	2,194	1,082	699	201	230	115	8
Tupelos-blackgums	92,662	68,615	14,499	4,447	1,625	1,361	643	618	454	178	111	105	4
Ashes	51,025	40,911	5,204	1,661	1,517	869	409	202	130	61	32	29	0
Cottonwood-aspen	617	603	0	0	0	0	0	0	0	13	0	0	0
Basswood	1,857	972	0	510	155	90	123	0	0	0	0	6	0
Black walnut	285	0	0	214	0	0	30	30	0	11	0	0	0
Other hardwoods	383,907	298,846	60,994	13,473	5,497	2,848	1,110	422	391	112	66	126	24
Total hardwoods	1,411,323	888,739	256,710	116,721	62,813	39,775	20,351	11,177	7,176	3,556	2,090	2,026	189
Noncommercial	244,789	203,709	30,382	6,529	2,247	1,218	512	109	81	2	0	0	0
All species	2,288,744	1,353,316	395,598	231,285	131,154	79,424	46,326	26,151	13,417	6,164	3,186	2,504	220

*Numbers in columns and rows may not add to totals due to rounding.

Table 11 .-Number of growing-stock trees on timberland by species and diameter class, Ouachita counties, Arkansas, 1995*

		Diameter class (inches at breast height)												
Species	All classes	1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	229.0	
-----Thousand trees-----														
Shortleaf-loblolly pines	464,624	154,729	74,217	89,987	60,525	36,155	24,646	14,441	5,975	2,514	1,026	405	4	
cypress	1,304	0	0	193	241	345	205	145	79	37	28	26	4	
Other softwoods	67,095	48,967	7,294	6,177	3,064	967	356	196	35	0	22	16	0	
Total softwoods	533,023	203,696	81,511	96,358	63,831	37,467	25,207	14,782	6,089	2,551	1,076	446	8	
Select white oaks	105,652	31,030	20,199	21,055	14,966	10,163	3,397	2,033	1,332	799	356	304	16	
Select red oaks	39,443	12,332	9,649	4,340	4,399	4,433	2,260	1,026	385	292	136	150	40	
Other white oaks	64,981	18,740	14,085	13,867	8,054	4,747	2,610	1,451	781	384	92	170	0	
Other red oaks	65,027	28,520	14,491	6,288	5,221	4,361	1,948	1,383	1,150	685	458	466	56	
Hickories	86,910	34,370	22,280	16,685	7,775	3,041	1,750	571	235	121	39	44	0	
Hard maples	700	486	0	86	128	0	0	0	0	0	0	0	0	
Soft maples	23,242	17,181	3,104	1,750	764	290	58	57	18	12	0	8	0	
Beech	340	0	0	261	0	39	25	0	0	0	0	15	0	
Sweetgum	69,175	30,963	17,906	8,733	4,715	2,619	2,141	923	652	201	209	104	8	
Tupelos-blackgums	29,377	14,628	7,762	3,605	1,140	913	485	306	318	114	63	40	4	
Ashes	17,844	11,924	2,132	1,549	894	680	264	202	85	61	32	22	0	
Cottonwood-aspen	617	603	0	0	0	0	0	0	0	13	0	0	0	
Basswood	736	0	0	510	74	52	99	0	0	0	0	0	0	
Black walnut	111	0	0	100	0	0	0	0	0	11	0	0	0	
Other hardwoods	99,610	66,288	18,682	8,193	3,269	1,718	752	193	296	83	45	88	2	
Total hardwoods	603,763	267,065	130,291	87,023	51,399	33,058	15,790	8,144	5,251	2,776	1,430	1,409	128	
All species	1,136,786	470,761	211,801	183,381	115,230	70,525	40,996	22,926	11,340	5,327	2,507	1,856	136	

*Numbers in columns and rows may not add to totals due to rounding.

Table 12.—*Volume of growing stock on timberland by species and diameter class, Ouachita counties, Arkansas, 1995**

Species	All classes	Diameter class (<i>inches at breast height</i>)									≥29.0
		5.0– 6.9	7.0– 8.9	9.0– 10.9	11.0– 12.9	13.0– 14.9	15.0– 16.9	17.0– 18.9	19.0– 20.9	21.0– 28.9	
<i>----- Million cubic feet -----</i>											
Shortleaf-loblolly pines	2,399.9	189.4	348.4	452.3	505.1	431.3	240.0	131.8	66.6	34.4	0.6
Cypress	19.0	0.5	1.5	4.0	3.6	3.6	2.6	1.2	0.8	0.9	0.3
Other softwoods	44.7	13.5	13.3	7.6	4.6	3.3	0.8	0.0	0.9	0.7	0.0
Total softwoods	2,463.6	203.4	363.2	463.8	513.4	438.2	243.4	133.0	68.4	35.9	0.9
Select white oaks	452.8	55.2	86.8	104.3	57.4	47.3	37.5	30.7	13.9	18.9	0.8
Select red oaks	178.0	11.9	25.0	42.6	33.3	22.0	11.5	9.9	6.1	10.6	5.1
Other white oaks	213.6	31.1	38.6	40.9	34.1	26.9	18.7	10.6	3.8	9.0	0.0
Other red oaks	264.9	15.3	26.7	40.8	29.2	31.8	36.1	25.4	21.5	31.9	6.1
Hickories	145.4	32.0	33.6	26.2	25.4	12.1	6.3	4.6	1.9	3.5	0.0
Hard maples	0.8	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	15.0	4.9	3.9	2.6	1.0	1.5	0.4	0.2	0.0	0.4	0.0
Beech	1.8	0.4	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.0
Sweetgum	195.6	20.6	26.1	30.8	38.9	24.5	23.5	8.7	13.1	8.7	0.8
Tupelos-blackgums	52.7	7.4	6.0	7.1	7.1	6.4	8.5	4.2	3.2	2.1	0.6
Ashes	31.8	3.2	4.9	7.6	3.9	4.3	2.6	2.1	1.7	1.6	0.0
Cottonwood-aspen	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Basswood	3.3	0.9	0.3	0.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
Black walnut	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Other hardwoods	87.7	18.4	16.6	16.0	12.3	4.5	8.6	3.1	2.1	5.6	0.5
Total hardwoods	1644.6	201.9	269.0	319.6	244.4	181.4	153.6	100.4	67.4	92.9	13.9
All species	4,108.2	405.3	632.2	783.5	757.8	619.6	397.0	233.4	135.8	128.8	14.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 13.-Volume of growing stock in the sawlog portion of sawrimber trees on timberland by species and diameter class, Ouachita counties, Arkansas, 1995'

Species	All classes	Diameter class (<i>inches at breast height</i>)							229.0
		9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	
<i>----- Million cubic feet -----</i>									
Shortleaf-loblolly pines	1,608.1	372.5	444.5	380.0	209.5	114.7	57.2	29.2	0.4
Cypress	14.3	2.8	3.0	3.2	2.3	1.1	0.8	0.8	0.3
Other softwoods	14.8	6.0	3.7	2.9	0.8	0.0	0.8	0.7	0.0
Total softwoods	1,637.2	381.4	451.2	386.1	212.6	115.8	58.7	30.6	0.8
Select white oaks	160.0	0.0	42.2	36.8	30.1	24.1	11.2	15.0	0.6
Select red oaks	79.1	0.0	25.6	17.5	9.1	8.1	5.1	8.9	4.7
Other white oaks	84.0	0.0	26.7	21.6	15.8	9.1	3.3	7.5	0.0
Other red oaks	147.1	0.0	21.3	25.8	28.9	20.5	17.9	27.1	5.6
Hickories	41.8	0.0	19.0	9.3	5.0	4.0	1.6	2.9	0.0
Soft maples	2.5	0.0	0.5	1.1	0.4	0.2	0.0	0.2	0.0
Beech	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.6	0.0
Sweetgum	94.9	0.0	26.6	20.2	20.3	7.6	11.9	7.6	0.7
Tupelos-blackgums	26.6	0.0	5.4	5.3	7.1	3.6	3.1	1.7	0.6
Ashes	12.3	0.0	2.5	3.2	2.2	1.7	1.3	1.5	0.0
Cottonwood-aspen	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Basswood	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Black walnut	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Other hardwoods	29.1	0.0	9.0	3.8	6.9	2.6	1.9	4.4	0.5
Total hardwoods	680.3	0.0	180.3	144.7	125.8	82.2	57.2	77.5	12.6
All species	2,317.6	381.4	631.5	530.8	338.4	197.9	116.0	108.1	13.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 14.—*Volume of sawtimber on timberland by species and diameter class, Ouachita counties, Arkansas, 1995'*

Species	All classes	Diameter <i>class (inches at breast height)</i>								≥29.0
		9.0– 10.9	11.0– 12.9	13.0– 14.9	15.0– 16.9	17.0– 18.9	19.0– 20.9	21.0– 28.9		
<i>----- Million board feet† -----</i>										
Shortleaf-loblolly pines	9,917.1	2,068.4	2,687.9	2,409.4	1,373.6	772.3	395.1	207.1	3.3	
Cypress	76.7	14.3	15.7	17.4	13.8	6.0	4.1	3.4	2.1	
Other softwoods	75.8	29.0	19.2	14.8	4.0	0.0	4.7	4.1	0.0	
Total softwoods	10,069.5	2,111.7	2,722.7	2,441.6	1,391.4	778.2	403.8	214.6	5.4	
Select white oaks	967.5	0.0	236.6	221.1	182.3	154.6	71.7	97.8	3.4	
Select red oaks	466.8	0.0	141.7	104.0	55.2	50.1	32.9	56.6	26.3	
Other white oaks	484.4	0.0	141.4	123.2	94.8	54.9	21.4	48.7	0.0	
Other red oaks	864.1	0.0	114.3	146.2	170.5	125.7	109.2	165.6	32.6	
Hickories	245.5	0.0	104.2	54.8	31.8	25.1	10.4	19.2	0.0	
Soft maples	12.3	0.0	2.9	5.1	2.1	0.6	0.0	1.5	0.0	
Beech	5.5	0.0	1.9	0.0	0.0	0.0	0.0	3.6	0.0	
Sweetgum	562.1	0.0	145.7	118.6	123.6	45.3	74.9	49.4	4.7	
Tupelos-blackgums	154.1	0.0	29.2	30.0	40.6	21.7	18.2	10.8	3.1	
Ashes	71.9	0.0	13.3	18.7	13.0	9.5	7.9	9.4	0.0	
Cottonwood-aspen	2.7	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	
Basswood	6.9	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	
Black walnut	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	
Other hardwoods	171.5	0.0	51.3	22.6	41.8	14.9	11.1	27.5	2.2	
Total hardwoods	4,016.1	0.0	989.5	844.4	755.8	505.8	357.8	490.0	72.8	
All species	14,085.6	2,111.7	3,712.3	3,286.0	2,147.2	1,284.0	761.7	704.6	78.2	

*Numbers in columns and rows may not add to totals due to rounding.

†International 1/4-inch Rule.

Table 15.—*Volume of growing stock and sawtimber on timberland by county and species group, Ouachita counties, Arkansas, 1995'*

County	Growing stock						Sawtimber					
	Softwood			Hardwood			Softwood			Hardwood		
	All species	Pine		Other	Soft†	Hard‡	All species	Pine		Other	Soft†	Hard‡
		Planted	Natural					Planted	Natural			
----- Million cubic feet -----												
Garland	405.0	65.3	183.0	1.0	35.0	120.7	1,256.5	60.9	856.5	1.6	64.3	273.1
Logan	253.8	1.9	110.8	13.2	19.3	108.6	907.8	4.3	441.2	15.7	61.4	385.1
Montgomery	665.6	50.2	394.2	1.0	29.6	190.5	2,416.3	103.4	1,813.7	1.7	50.9	446.6
Perry	359.8	21.8	222.4	1.4	22.0	92.2	1,230.1	28.5	944.8	1.4	84.0	171.4
Polk	452.8	47.7	188.0	1.4	33.7	181.9	1,333.2	85.7	852.0	2.9	83.1	309.6
Pulaski	222.8	5.5	76.7	20.2	28.4	92.0	723.4	10.0	352.7	81.5	52.9	226.3
Saline	415.7	59.2	154.4	0.9	51.7	149.5	1,358.6	150.3	682.6	1.4	143.1	381.2
Scott	669.4	71.0	377.9	12.8	41.2	166.5	2,446.1	238.6	1,663.5	22.7	118.5	402.8
Sebastian	89.7	0.0	29.9	3.6	11.0	45.3	261.9	0.0	112.4	10.5	17.9	121.0
Yell	573.7	23.1	316.8	8.3	79.6	146.0	2,151.8	40.9	1,475.0	13.0	227.5	395.4
All counties	4,108.2	345.7	2,054.1	63.7	351.6	1,293.1	14,085.6	722.6	9,194.5	152.4	903.6	3,112.5

*Numbers in columns and rows may not add to totals due to rounding.

†**Hardwood** species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

§**International 1/4-inch Rule.**Table 16.—*Volume of timber on timberland by class of timber and species group, Ouachita counties, Arkansas, 1995'*

Class of timber	All species	Softwood			Hardwood	
		Pine			soft+	Hard [‡]
		Planted	Natural	Other		
----- Million cubic feet -----						
Sawtimber trees						
Saw-log portion	2,317.6	129.0	1,479.1	29.1	153.7	526.7
Upper-stem portion	433.5	24.4	229.5	5.9	37.8	135.9
Total	2,751.1	153.4	1,708.6	35.0	191.5	662.6
Poletimber trees	1,357.1	192.3	345.5	28.8	160.1	630.5
All growing-stock trees	4,108.2	345.7	2,054.1	63.7	351.6	1,293.1
Rough trees						
Sawtimber size	143.0	1.7	6.3	3.6	23.4	108.1
Poletimber size	177.4	5.8	28.9	1.9	41.5	99.3
Total	320.4	7.5	35.2	5.4	64.9	207.4
Rotten trees						
Sawtimber size	23.9	0.0	0.3	1.4	5.7	16.5
Poletimber size	3.3	0.0	0.0	0.0	1.6	1.7
Total	27.2	0.0	0.3	1.4	7.4	18.2
Salvable dead trees						
Sawtimber size	12.6	0.5	8.9	0.0	0.7	2.4
Poletimber size	10.9	1.2	6.0	1.2	0.0	2.5
Total	23.5	1.8	14.9	1.2	0.7	4.9
All classes	4,479.4	355.0	2,104.5	71.8	424.5	1,523.6

*Numbers in columns and rows may not add to totals due to rounding.

†**Hardwood** species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 17.—*Volume of live trees and growing stock on timberland by ownership class and species group, Ouachita counties, Arkansas, 1995'*

Ownership class	Live trees						Growing stock					
	Softwood			Hardwood			Softwood			Hardwood		
	Pine						Pine					
	All species	Planted	Natural	Other	Soft [†]	Hard*	All species	Planted	Natural	Other	Soft [†]	Hard [‡]
	<i>----- Million cubic feet -----</i>											
National forest	2,298.2	122.4	1,390.2	13.0	119.4	653.2	2,150.3	120.0	1,365.7	12.2	93.9	558.6
Other public	265.9	4.5	68.1	4.0	64.6	124.6	240.1	4.5	68.1	3.6	56.0	107.9
Forest industry	642.1	171.9	290.4	3.6	33.4	142.8	611.2	168.3	287.9	3.6	29.8	121.6
Other private	1,249.7	54.5	340.8	50.0	206.5	597.9	1,106.6	52.8	332.5	44.4	171.9	505.0
All ownerships	4,455.8	353.3	2,089.6	70.6	423.8	1,518.6	4,108.2	345.7	2,054.1	63.7	351.6	1,293.1

*Numbers in columns and rows may not add to totals due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 18.—*Average net annual growth of growing stock and sawtimber on timberland by county and species group, Ouachita counties, Arkansas, 1988–1995**

County	Growing stock						Sawtimber					
	Softwood			Hardwood			Softwood			Hardwood		
	Pine						Pine					
	All species	Planted	Natural	Other	Soft [†]	Hard [‡]	All species	Planted	Natural	Other	soft+	Hard*
	<i>----- Million cubic feet -----</i>						<i>----- Million board feet[§] -----</i>					
Garland	18.9	8.9	4.8	0.0	1.4	3.8	61.3	7.9	36.0	-0.1	3.8	13.8
Logan	10.9	0.0	6.5	0.7	0.5	3.2	54.4	0.0	34.4	1.2	2.8	16.0
Montgomery	11.1	3.6	4.3	0.1	0.3	2.8	23.2	2.6	11.9	0.3	-0.2	8.6
Perry	15.5	2.1	9.3	0.0	0.4	3.1	51.9	4.3	41.7	0.1	0.5	5.4
Polk	17.6	5.6	5.1	0.1	0.8	6.0	56.3	7.0	35.2	0.2	2.2	11.6
Pulaski	9.8	0.4	3.8	0.7	1.1	3.8	34.8	0.9	21.5	2.6	1.7	8.0
Saline	20.1	5.9	6.9	0.1	2.0	5.2	75.6	15.2	38.0	0.2	8.2	13.9
Scott	20.6	2.0	12.0	0.5	1.1	5.0	99.7	3.6	71.3	0.8	4.5	19.5
Sebastian	3.4	0.0	1.4	0.2	0.4	1.4	9.7	0.0	6.1	0.5	0.2	2.9
Yell	21.0	3.8	10.3	0.3	1.6	5.0	85.4	3.4	56.0	0.8	8.0	17.1
All counties	148.9	32.9	64.3	2.7	9.7	39.2	552.3	44.9	352.1	6.6	31.8	116.9

*Numbers in columns and rows may not add to totals due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

[§]International 1/4-inch Rule.

Table 19.—Average annual removals of growing stock and sawtimber on timberland by county and species group, Ouachita counties, Arkansas, 1988-1 995'

County	Growing stock						Sawtimber					
	Softwood			Hardwood			softwood			Hardwood		
	All species	Pine		Other	Soft [†]	Hard [‡]	All species	Pine		Other	soft+	Hard [‡]
		Planted	Natural					Planted	Natural			
----- Million cubic feet -----						----- Million board feet [§] -----						
Garland	5.0	1.4	2.4	0.0	0.2	1.1	15.2	0.5	12.1	0.0	0.0	2.5
Logan	5.6	0.0	4.4	0.2	0.1	0.8	24.4	0.0	20.1	1.0	0.0	3.3
Montgomery	11.1	2.5	7.9	0.0	0.1	0.6	43.8	6.1	36.9	0.0	0.0	0.2
Perry	4.6	0.4	3.4	0.0	0.0	0.8	19.5	0.4	17.3	0.0	0.0	1.8
Polk	11.6	0.3	6.7	0.4	0.9	3.3	36.3	0.0	29.0	0.0	1.3	6.0
Pulaski	1.9	0.0	3.0	0.0	1.3	3.6	29.2	0.0	15.3	0.0	4.1	9.9
Saline	14.5	1.7	7.1	0.0	2.2	3.6	58.0	6.2	31.9	0.0	8.1	11.8
Scott	15.8	0.1	14.3	0.1	0.0	1.3	57.5	0.0	55.8	0.2	0.0	1.5
Sebastian	1.0	0.0	0.0	0.0	0.7	0.3	1.6	0.0	0.0	0.0	0.7	1.0
Yell	5.7	1.4	2.2	0.0	0.3	1.8	19.4	0.6	9.9	0.0	1.2	7.7
All counties	82.9	7.8	51.3	0.6	5.8	17.2	305.0	14.5	228.3	1.2	15.4	45.7

*Numbers in columns and rows may not add to totals due to rounding.

[†]**Hardwood** species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

[§]**International** 1/4-inch Rule.

Table 20.—Average net annual growth and average annual removals of growing stock on timberland by species, Ouachita counties, Arkansas, 1988-1 995*

Species	Growth	Removals
----- Million cubic feet -----		
Yellow pines	97.2	59.2
Other softwoods	2.1	0.6
Total softwoods	100.0	59.8
Select whim-red oaks	23.0	6.5
Other white-red oaks	12.4	8.0
Hickories	2.6	2.0
Hard maples	0.0	0.1
Sweetgum	6.5	3.6
Ashes-walnut-black cherry	1.1	0.7
Other hardwoods	3.4	2.2
Total hardwoods	48.9	23.1
All species	148.9	82.9

*Numbers in columns may not add to totals due to rounding.

Table 21.-Average net annual growth and average annual removals of sawtimber on timberland by species, Ouachita counties, Arkansas, 1988-1995'

Species	Growth	Removals
	----- Million board feet [†] -----	
Yellow pines	397.0	242.8
Other softwoods	6.6	1.2
Total softwoods	403.6	244.0
Select white-red oaks	65.5	18.0
Other white-red oaks	42.2	21.4
Hickories	5.6	3.7
Sweetgum	24.0	8.6
Ashes-walnut-black cherry	3.5	2.9
Other hardwoods	7.9	6.4
Total hardwoods	148.7	61.1
All species	552.3	305.0

*Numbers in columns may not add to totals due to rounding.

[†]International 1/4-inch Rule..

Table 22.-Average **annual** mortality of growing stock, and sawtimber on timberland **by** species, Ouachita counties, Arkansas, 1988-1995'

Species	Growing stock	Sawtimber
	Million cubic feet	Million board feet [†]
Yellow pines	7.5	24.4
Other softwoods	0.3	0.0
Total softwoods	7.7	24.4
Select white-red oaks	1.4	1.9
Other white-red oaks	2.9	9.5
Hickories	0.7	1.6
Sweetgum	1.1	4.1
Ashes-walnut-black cherry	0.8	1.5
Other hardwoods	1.3	4.1
Total hardwoods	8.2	22.9
All species	15.9	47.3

*Numbers in **columns** may not add to totals **due to** rounding.

[†]International 1/4-inch Rule..

Table 23.—Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Ouachita counties, Arkansas, 1988-1995¹

Ownership class	Growth						Removals					
	Softwood			Hardwood			Softwood			Hardwood		
	Pine						Pine					
	All species	Planted	Natural	Other	soft+	Hard [†]	All species	Planted	Natural	Other	Soft [†]	Hard [†]
----- Million cubic feet -----												
National forest	50.1	4.2	29.6	0.4	1.7	14.2	22.5	0.5	19.5	0.1	0.2	2.2
Other public	8.8	0.4	3.6	0.3	1.5	3.0	3.0	0.0	1.9	0.0	0.3	0.8
Forest industry	41.1	23.3	12.4	0.3	0.8	4.2	20.0	3.7	11.3	0.1	0.4	4.5
Other private	48.9	5.0	18.7	1.6	5.8	17.8	37.4	3.6	18.6	0.5	4.9	9.8
All ownerships	148.9	32.9	64.3	2.7	9.7	39.2	82.9	7.8	51.3	0.6	5.8	17.2

*Numbers in columns and rows may not add to totals due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 24.—Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Ouachita counties, Arkansas, 1988-1995¹

Ownership class	Growth						Removals					
	Softwood			Hardwood			Softwood			Hardwood		
	Pine						Pine					
	All species	Planted	Natural	Other	soft+	Hard*	All species	Planted	Natural	Other	soft+	Hard [†]
----- Million board feet [§] -----												
National forest	229.8	4.2	180.4	0.9	4.9	39.3	94.0	2.3	89.0	0.2	0.2	2.4
Other public	38.9	0.9	19.8	0.7	6.8	10.6	11.1	0.0	9.3	0.0	0.4	1.4
Forest industry	107.0	30.0	62.7	0.7	1.5	12.0	66.0	3.3	53.0	0.0	0.6	9.1
Other private	176.6	9.7	89.2	4.2	18.6	54.9	133.9	8.8	77.1	1.0	14.2	32.8
All ownerships	552.3	44.9	352.1	6.6	31.8	116.9	305.0	14.5	228.3	1.2	15.4	45.7

*Numbers in columns and rows may not add to totals due to rounding.

[†]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.

*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

[§]International M-inch Rule.

Table 25.—*Volume of sawtimber on timberland by species and tree grade, Ouachita counties, Arkansas, 1995'*

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
<i>----- Million board feet[†] -----</i>						
Yellow pines	9,917.1	4,464.4	2,149.0	3,240.8	0.0	62.9
cypress	76.7	25.1	22.8	22.1	0.0	6.6
Redcedars	75.8	72.0	0.0	0.0	0.0	3.8
Total softwoods	10,069.5	4,561.5	2,171.8	3,263.0	0.0	73.2
Select white-red oaks	1,434.3	194.2	274.4	566.0	306.3	93.4
Other white-red oaks	1,348.5	139.6	242.9	478.1	401.7	86.3
Hickories	245.5	18.2	35.5	123.2	61.9	6.6
Sweetgum	562.1	77.2	129.1	256.4	77.1	22.2
Tupelos and blackgums	154.1	25.4	39.5	69.8	5.7	13.8
Ashes-walnut-black cherry	105.8	16.8	28.7	30.0	3.7	26.7
Other hardwoods	165.7	23.8	28.0	66.4	24.4	23.1
Total hardwoods	4,016.1	495.3	778.1	1,589.9	880.8	272.0
All species	14,085.6	5,056.8	2,949.9	4,852.9	880.8	345.3

*Numbers in columns and rows may not add to totals due to rounding.

[†]International 1/4-inch Rule.

Supplemental Tables 26 through 44

Table 26.—*Area of timberland by stand age, forest type group, and stand origin, Ouachita counties, Arkansas, 1995'*

Stand age class	Pine		Oak-pine		Other hardwood types	
	Planted	Natural	Planted	Natural	Planted	Natural
<i>Years</i>	<i>----- Thousand acres -----</i>					
1-10	84.8	31.1	38.9	0.0	26.2	34.5
11-20	242.6	35.9	16.9	0.0	11.5	18.1
21-30	33.0	14.4	5.5	0.0	0.0	0.0
31-40	0.0	0.0	5.6	0.0	0.0	0.0
41-50	0.0	0.0	0.0	0.0	0.0	0.0
>50	15.9	28.3	0.0	5.8	0.0	0.0
Mixed	38.7	163.1	39.8	679.2	22.4	1,220.4
Total	415.0	873.4	106.7	685.0	60.2	1,273.1

*Numbers in columns may not add to totals due to rounding.

Table 27.—*Volume of softwood growing stock on timberland by county and forest type group, Ouachita counties, Arkansas, 1995**

		Forest type group				
County	Total	Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress
		Planted	Natural			
----- Million cubic feet -----						
Garland	249.3	63.2	91.2	61.0	28.0	0.0
Logan	125.9	0.1	74.1	41.7	10.0	0.0
Montgomery	445.4	40.3	284.0	91.9	29.2	0.0
Perry	245.6	19.2	187.4	36.1	2.1	0.7
Polk	231.2	40.5	81.7	19.2	34.0	1.8
Pulaski	102.4	1.0	46.1	24.1	12.2	19.0
Saline	214.5	55.9	93.3	47.9	16.8	0.5
Scott	461.7	71.4	293.3	69.5	26.6	0.7
Sebastian	33.5	0.0	26.3	3.5	2.5	1.2
Yell	348.2	20.9	241.4	15.2	9.1	1.5
All counties	2,463.6	312.5	1,424.9	530.0	170.5	25.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 28. Volume Of hardwood growing stock on timberland by county and forest type group, Ouachita counties, Arkansas, 1995'

County	Total	Forest type group				
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress
		Planted	Natural			
<i>----- Million cubic feet -----</i>						
Garland	155.7	1.2	17.4	41.5	95.7	0.0
Logan	127.9	0.1	9.1	24.8	64.7	29.1
Montgomery	220.2	5.9	29.7	76.6	107.9	0.0
Perry	114.2	1.0	31.6	14.6	42.6	24.4
Polk	215.6	0.5	14.9	61.9	132.7	5.5
Pulaski	120.4	0.0	4.4	19.3	72.4	24.3
Saline	201.2	5.4	13.9	51.3	88.5	42.1
Scott	207.7	4.7	30.6	55.7	96.2	20.5
Sebastian	56.2	0.0	0.7	7.0	23.0	25.6
Yell	225.5	3.0	29.6	55.1	41.8	96.0
Ail counties	1,644.6	21.8	181.9	407.8	765.6	267.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 29.-Volume of softwood growing stock in the sawlog portion of sawtimber trees on timberland by county and forest type group, Ouachita counties, Arkansas, 1995*

County	Total	Forest type group				
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress
		Planted	Natural			
----- Million cubic feet -----						
Garland	144.9	11.5	67.9	43.7	21.8	0.0
Logan	75.7	0.0	46.7	24.3	4.7	0.0
Montgomery	308.5	14.7	206.1	69.4	18.3	0.0
Perry	160.0	5.1	131.1	21.6	1.6	0.6
Polk	156.5	11.9	63.4	56.6	23.0	1.5
Pulaski	73.1	0.0	35.2	14.2	9.4	14.3
Saline	136.2	26.4	65.5	34.8	9.0	0.5
Scott	320.5	39.8	213.3	49.1	17.6	0.7
Sebastian	20.3	0.0	17.0	0.6	1.9	0.9
Yell	241.6	7.6	175.4	51.9	5.4	1.4
All counties	1,637.2	117.0	1,021.6	366.2	112.6	19.8

*Numbers in columns and rows may not add to totals due to rounding.

Table 30.-Volume of hardwood growing stock in the sawlogportion of sawtimber trees on timberland by county andforest type group, Ouachita counties. Arkansas, 1995'

county	Total	Forest type group				
		Loblolly-shortleaf pine		Oak- pine	Oak- hickory	Oak-gum- cypress
		Planted	Natural			
----- Million cubic feet -----						
Garland	56.6	0.3	4.9	15.8	35.6	0.0
Logan	74.1	0.1	3.1	10.6	38.2	22.1
Montgomery	86.9	0.2	9.0	32.6	45.1	0.0
Perry	43.6	0.0	7.8	4.2	16.1	15.5
Polk	66.8	0.4	2.9	20.8	41.3	1.4
Pulaski	47.2	0.0	2.0	7.6	28.0	9.5
Saline	88.3	1.9	4.1	23.1	33.8	25.5
Scott	87.9	1.2	10.8	19.2	45.6	11.0
Sebastian	23.5	0.0	0.0	2.0	7.8	13.6
Yell	105.4	1.1	8.3	22.4	19.1	54.5
All counties	680.3	5.2	52.8	158.5	310.8	153.1

*Numbers in columns and rows may not add to totals due to rounding.

Table 31 .-Volume of timber on timberland by county, class of timber, and species group, Ouachita counties, Arkansas, 1995'

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
----- Million cubic feet -----							
Garland	428.2	249.3	155.7	2.9	18.6	0.2	1.6
Logan	299.3	125.9	127.9	5.1	39.4	0.0	1.0
Montgomery	707.7	445.4	220.2	7.7	30.1	0.0	4.3
Perry	379.3	245.6	114.2	1.9	14.4	0.0	3.1
Polk	501.3	237.2	215.6	6.8	34.7	0.0	7.1
Pulaski	242.4	102.4	120.4	0.6	16.8	1.4	0.9
Saline	445.2	214.5	201.2	4.4	23.1	0.0	2.0
Scott	718.8	461.7	207.7	8.2	37.4	0.1	3.7
Sebastian	118.7	33.5	56.2	3.5	24.7	0.0	0.7
Yell	615.0	348.2	225.5	7.0	33.1	0.0	1.1
All counties	4,455.8	2,463.6	1,644.6	48.1	272.3	1.7	25.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 32.-Number of live trees on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995*

Species	All classes	Diameter class (inches at breast height)											
		1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	≥29.0
-----Thousand trees-----													
Shortleaf pine	427,857	178,464	79,209	55,574	39,431	29,879	22,105	13,678	5,795	2,366	997	358	0
Loblolly pine	120,002	20,593	19,736	45,578	23,148	6,913	2,718	785	225	202	39	61	4
Redcedars	82,890	61,311	9,560	6,688	3,273	1,292	435	258	35	0	22	16	0
cypress	1,881	500	0	193	241	345	205	145	107	37	37	44	27
Total softwoods	632,631	260,868	108,505	108,034	66,094	38,430	25,463	14,866	6,161	2,606	1,096	478	31
Select white oaks	170,491	73,915	34,021	24,927	16,296	10,642	3,960	2,615	1,809	1,061	657	509	19
Select red oaks	57,623	24,124	12,097	5,651	5,123	5,174	2,761	1,369	520	421	158	171	47
Other white oaks	128,165	58,655	24,539	20,057	10,060	6,149	3,978	2,246	1,435	499	231	313	4
Other red oaks	104,375	59,178	19,374	7,923	5,421	4,948	2,483	1,651	1,396	830	522	565	83
Sweet pecan	585	512	0	0	0	0	25	0	0	14	20	14	0
Other hickories	210,286	123,765	45,919	22,950	10,182	3,976	2,278	738	216	132	40	30	0
Persimmon	14,882	13,219	1,097	376	58	78	31	23	0	0	0	0	0
Hard maples	4,216	4,002	0	86	128	0	0	0	0	0	0	0	0
Soft maples	98,308	79,408	12,502	3,866	1,595	480	246	99	64	23	11	14	0
Boxelder	6,169	5,276	590	158	0	0	82	44	0	0	11	8	0
Beech	894	514	0	261	0	73	25	0	0	0	0	21	0
Sweetgum	99,859	49,441	26,972	10,539	5,213	3,164	2,194	1,082	699	201	230	115	8
Blackgum	92,662	68,615	14,499	4,447	1,625	1,361	643	618	454	178	111	105	4
White ash	23,495	19,576	2,045	993	417	235	78	101	31	12	0	8	0
Other ashes	27,530	21,336	3,159	668	1,101	634	331	101	100	49	32	21	0
Sycamore	1,018	494	0	0	141	101	121	64	48	12	0	31	5
Cottonwoods	617	603	0	0	0	0	0	0	0	13	0	0	0
Basswoods	1,857	972	0	510	155	90	123	0	0	0	0	6	0
Willow	541	528	0	0	0	0	0	0	0	13	0	0	0
Black walnut	285	0	0	214	0	0	30	30	0	11	0	0	0
Black cherry	31,610	22,185	5,905	1,147	927	500	150	101	41	21	35	0	0
American elm	17,337	11,875	3,183	822	730	448	149	44	62	0	10	13	0
Other elms	185,993	140,562	32,637	8,191	2,931	1,098	352	121	81	0	0	15	0
River birch	789	0	0	313	110	78	84	43	96	41	0	24	0
Hackbenies	10,608	8,122	590	801	411	400	111	20	45	25	21	43	19
Black locust	694	514	0	22	0	106	52	0	0	0	0	0	0
Other locusts	1,811	1,385	0	246	180	0	0	0	0	0	0	0	0
Sassafras	3,441	3,114	0	279	8	40	0	0	0	0	0	0	0
Dogwood	99,068	84,719	13,809	540	0	0	0	0	0	0	0	0	0
Holly	2,493	2,493	0	0	0	0	0	0	0	0	0	0	0
Other commercial	13,623	9,036	3,713	735	0	0	58	0	20	0	0	0	0
Total hardwoods	1,411,323	888,739	256,710	116,721	62,813	39,775	20,351	11,177	7,176	3,556	2,090	2,026	189
Noncommercial	244,789	203,109	30,382	6,529	2,247	1,218	512	109	81	2	0	0	0
All species	2,288,744	1,353,316	395,598	231,285	131,154	79,424	46,326	26,151	13,417	6,164	3,186	2,504	220

*Numbers in columns and rows may not add to totals due to rounding.

Table 33.-Number of growing-stock trees on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995*

Species	All classes	Diameter <i>class (inches at breast height)</i>									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	≥29.0
<i>----- Thousand trees -----</i>											
Shortleaf pine	159,215	46,472	38,068	29,584	22,028	13,656	5,750	2,312	987	358	0
Loblolly pine	76,463	43,515	22,457	6,571	2,618	785	225	202	39	47	4
Redcedars	10,834	6,177	3,064	967	356	196	35	0	22	16	0
Cypress	1,304	193	241	345	205	145	79	37	28	26	4
Total softwoods	247,816	96,358	63,831	37,467	25,207	14,782	6,089	2,551	1,076	446	8
Select white oaks	54,422	21,055	14,966	10,163	3,397	2,033	1,332	799	356	304	16
Select red oaks	17,462	4,340	4,399	4,433	2,260	1,026	385	292	136	150	40
Other white oaks	32,156	13,867	8,054	4,747	2,610	1,451	781	384	92	170	0
Other red oaks	22,016	6,288	5,221	4,361	1,948	1,383	1,150	685	458	466	56
Sweet pecan	50	0	0	0	25	0	0	0	11	14	0
Other hickories	30,210	16,685	7,775	3,041	1,725	571	235	121	28	30	0
Persimmon	342	246	58	37	0	0	0	0	0	0	0
Hard maples	214	86	128	0	0	0	0	0	0	0	0
Soft maples	2,950	1,750	764	290	58	57	18	12	0	0	0
Boxelder	8	0	0	0	0	0	0	0	0	8	0
Beech	340	261	0	39	25	0	0	0	0	15	0
Sweetgum	20,305	8,733	4,715	2,619	2,141	923	652	201	209	104	8
Blackgum	6,987	3,605	1,140	913	485	306	318	114	63	40	4
White ash	1,532	882	270	182	78	101	0	12	0	8	0
Other ashes	2,256	668	624	498	187	101	85	49	32	14	0
sycamore	349	0	86	56	94	43	32	12	0	24	2
Cottonwoods	13	0	0	0	0	0	0	13	0	0	0
Basswoods	736	510	74	52	99	0	0	0	0	0	0
Willow	13	0	0	0	0	0	0	13	0	0	0
Black walnut	111	100	0	0	0	0	0	11	0	0	0
Black cherry	2,030	852	436	458	146	43	41	21	35	0	0
American elm	1,073	460	195	267	84	0	62	0	0	5	0
Other elms	9,121	6,009	2,070	694	267	44	29	0	0	8	0
River birch	422	82	110	0	56	43	82	25	0	24	0
Hackberries	684	135	190	206	54	20	30	12	10	28	0
Black locust	52	0	0	0	52	0	0	0	0	0	0
Other locusts	125	0	125	0	0	0	0	0	0	0	0
Sassafras	137	137	0	0	0	0	0	0	0	0	0
Other commercial	292	272	0	0	0	0	20	0	0	0	0
Total hardwoods	206,408	87,023	51,399	33,058	15,790	8,144	5,251	2,776	1,430	1,409	128
All species	454,223	183,381	115,230	70,525	40,996	22,926	11,340	5,327	2,507	1,856	136

*Numbers in columns and rows may not add to totals due to rounding.

Table 34.—*Volume of live trees on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995**

Species	Ail classes	Diameter class (<i>inches at breast height</i>)									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	229.0
<i>----- Million cubic feet -----</i>											
Shortleaf pine	2,142.8	142.1	270.5	400.4	465.6	413.1	232.7	123.1	64.6	30.6	0.0
Loblolly pine	300.1	71.4	88.6	55.7	41.1	18.5	7.8	9.9	2.2	4.3	0.6
Redcedars	50.0	14.5	14.1	9.4	5.3	4.3	0.8	0.0	0.9	0.7	0.0
Cypress	20.5	0.5	1.5	4.0	3.6	3.6	2.9	1.2	1.0	1.2	1.0
Total softwoods	2,513.4	228.5	374.7	469.5	515.6	439.5	244.2	134.3	68.7	36.8	1.6
Select white oaks	503.0	60.9	91.5	107.6	63.4	55.3	44.3	35.6	19.5	24.1	0.9
Select red oaks	200.5	13.9	27.7	46.4	37.8	26.1	13.2	11.9	6.9	11.1	5.4
Other white oaks	273.2	40.7	45.0	48.3	45.0	35.2	27.5	12.0	6.3	13.1	0.1
Other red oaks	293.1	18.0	28.2	44.6	34.3	34.4	39.7	28.6	23.2	34.5	7.5
Sweet pecan	2.6	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.8	1.4	0.0
Other hickories	171.7	40.4	40.2	31.3	30.5	13.7	6.9	4.9	1.8	2.0	0.0
Persimmon	2.1	0.7	0.2	0.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Hard maples	0.8	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	25.8	9.2	6.8	3.7	2.1	2.2	1.1	0.4	0.0	0.2	0.0
Boxelder	2.5	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.7	0.4	0.0
Beech	2.3	0.4	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.9	0.0
Sweetgum	210.0	23.6	28.2	34.5	39.8	27.2	24.7	8.7	13.4	9.0	0.8
Blackgum	66.7	9.0	7.4	9.5	8.2	8.5	10.5	5.2	4.3	3.5	0.6
White ash	9.8	1.8	1.9	1.8	1.0	2.0	0.2	0.3	0.0	0.8	0.0
Other ashes	28.2	1.6	5.8	6.9	4.4	2.3	2.7	1.8	1.7	1.0	0.0
sycamore	9.4	0.0	0.8	0.5	2.3	1.3	1.3	0.4	0.0	2.0	0.8
Cottonwoods	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Basswoods	4.2	0.9	0.6	0.8	1.7	0.0	0.0	0.0	0.0	0.2	0.0
Willow	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Black walnut	1.2	0.7	0.0	0.0	0.2	0.1	0.0	0.2	0.0	0.0	0.0
Black cherry	19.1	2.5	4.0	5.0	2.1	1.8	1.3	1.0	1.6	0.0	0.0
American elm	12.5	1.6	2.6	3.7	1.8	0.4	1.8	0.0	0.1	0.5	0.0
Other elms	49.2	16.7	13.4	9.6	5.3	2.0	1.6	0.0	0.0	0.6	0.0
River birch	9.6	0.4	1.0	0.6	1.2	1.1	2.5	1.3	0.0	1.4	0.0
Hackberries	13.0	1.4	1.6	2.8	1.7	0.5	0.9	0.5	0.6	2.0	1.0
Black locust	1.3	0.0	0.0	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Other locusts	1.1	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
sassafras	0.8	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dogwood	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other commercial	1.7	0.8	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.0	0.0
Total hardwoods	1,916.9	246.8	308.3	359.8	285.2	215.1	181.1	114.0	80.8	108.8	17.1
Noncommercial	25.5	8.2	5.4	6.2	3.7	1.0	1.0	0.1	0.0	0.0	0.0
All species	4,455.8	483.5	688.4	835.4	804.5	655.7	426.3	248.3	149.4	145.6	18.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 35.—*Volume of growing stock on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995'*

Species	All classes	Diameter class (<i>inches at breast height</i>)									229.0
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	
----- Million cubic feet -----											
Shortleaf pine	2,107.3	120.2	262.2	398.3	464.9	412.7	232.1	121.8	64.5	30.6	0.0
Loblolly pine	292.5	69.2	86.2	54.0	40.2	18.5	7.8	9.9	2.2	3.8	0.6
Redcedars	44.7	13.5	13.3	7.6	4.6	3.3	0.8	0.0	0.9	0.7	0.0
Cypress	19.0	0.5	1.5	4.0	3.6	3.6	2.6	1.2	0.8	0.9	0.3
Total softwoods	2,463.6	203.4	363.2	463.8	513.4	438.2	243.4	133.0	68.4	35.9	0.9
Select white oaks	452.8	55.2	86.8	104.3	57.4	47.3	37.5	30.7	13.9	18.9	0.8
Select red oaks	178.0	11.9	25.0	42.6	33.3	22.0	11.5	9.9	6.1	10.6	5.1
Other white oaks	213.6	31.1	38.6	40.9	34.1	26.9	18.7	10.6	3.8	9.0	0.0
Other red oaks	264.9	15.3	26.7	40.8	29.2	31.8	36.1	25.4	21.5	31.9	6.1
sweet pecan	2.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5	1.4	0.0
Other hickories	143.2	32.0	33.6	26.2	25.1	12.1	6.3	4.6	1.4	2.0	0.0
Persimmon	1.2	0.5	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hard maples	0.8	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	14.6	4.9	3.9	2.6	1.0	1.5	0.4	0.2	0.0	0.0	0.0
Boxelder	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Beech	1.8	0.4	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.0
Sweetgum	195.6	20.6	26.1	30.8	38.9	24.5	23.5	8.7	13.1	8.7	0.8
Blackgum	52.7	7.4	6.0	7.1	7.1	6.4	8.5	4.2	3.2	2.1	0.6
White ash	8.6	1.6	1.3	1.5	1.0	2.0	0.0	0.3	0.0	0.8	0.0
Other ashes	23.2	1.6	3.6	6.0	2.8	2.3	2.6	1.8	1.7	0.9	0.0
sycamore	7.8	0.0	0.6	0.4	2.2	1.1	1.0	0.4	0.0	1.7	0.5
Cottonwoods	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Basswoods	3.3	0.9	0.3	0.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
Willow	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Black walnut	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Black cherry	15.3	2.0	2.2	4.3	2.0	0.9	1.3	1.0	1.6	0.0	0.0
American elm	7.8	1.2	0.9	2.4	1.2	0.0	1.8	0.0	0.0	0.3	0.0
Other elms	37.2	13.5	10.2	6.6	4.4	1.0	1.0	0.0	0.0	0.5	0.0
River birch	7.9	0.3	1.0	0.0	0.9	1.1	2.2	0.9	0.0	1.4	0.0
Hackberries	7.6	0.3	0.9	1.8	1.0	0.5	0.6	0.3	0.5	1.7	0.0
Black locust	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Other locusts	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
sassafras	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other commercial	1.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
Total hardwoods	1544.6	201.9	269.0	319.6	244.4	181.4	153.6	100.4	67.4	92.9	13.9
All species	4,108.2	405.3	632.2	783.5	757.8	619.6	397.0	233.4	135.8	128.8	14.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 36.—*Volume of growing stock in the sawlog portion of sawtimber trees on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995'*

Species	All classes	Diameter class (<i>inches at breast height</i>)							
		9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	≥29.0
<hr/> <i>----- Million cubic feet -----</i> <hr/>									
Shortleaf pine	1,494.1	329.9	409.7	364.7	202.6	106.2	55.3	25.8	0.0
Loblolly pine	114.0	42.7	34.8	15.3	7.0	8.5	1.9	3.3	0.4
Redcedars	14.8	6.0	3.7	2.9	0.8	0.0	0.8	0.7	0.0
cypress	14.3	2.8	3.0	3.2	2.3	1.1	0.8	0.8	0.3
Total softwoods	1,637.2	381.4	451.2	386.1	212.6	115.8	58.7	30.6	0.8
Select white oaks	160.0	0.0	42.2	36.8	30.1	24.1	11.2	15.0	0.6
Select red oaks	79.1	0.0	25.6	17.5	9.1	8.1	5.1	8.9	4.7
Other white oaks	84.0	0.0	26.7	21.6	15.8	9.1	3.3	7.5	0.0
Other red oaks	147.1	0.0	21.3	25.8	28.9	20.5	17.9	27.1	5.6
Sweet pecan	1.8	0.0	0.2	0.0	0.0	0.0	0.4	1.2	0.0
Other hickories	40.0	0.0	18.7	9.3	5.0	4.0	1.2	1.7	0.0
Soft maples	2.2	0.0	0.5	1.1	0.4	0.2	0.0	0.0	0.0
Boxelder	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Beech	1.0	0.0	0.3	0.0	0.0	0.0	0.0	0.6	0.0
Sweetgum	94.9	0.0	26.6	20.2	20.3	7.6	11.9	7.6	0.7
Blackgum	26.6	0.0	5.4	5.3	7.1	3.6	3.1	1.7	0.6
White ash	3.1	0.0	0.7	1.5	0.0	0.2	0.0	0.6	0.0
Other ashes	9.2	0.0	1.8	1.8	2.2	1.5	1.3	0.8	0.0
Sycamore	5.7	0.0	1.7	0.9	1.0	0.3	0.0	1.4	0.5
Cottonwoods	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Basswoods	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Willow	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Black walnut	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Black cherry	5.6	0.0	1.5	0.8	1.2	0.8	1.4	0.0	0.0
American elm	2.5	0.0	0.8	0.0	1.5	0.0	0.0	0.3	0.0
Other elms	4.9	0.0	3.2	0.9	0.6	0.0	0.0	0.3	0.0
River birch	5.4	0.0	0.6	1.0	1.8	0.8	0.0	1.2	0.0
Hackberries	3.5	0.0	0.8	0.3	0.4	0.3	0.4	1.2	0.0
Black locust	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Other commercial	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Total hardwoods	680.3	0.0	180.3	144.7	125.8	82.2	57.2	77.5	12.6
All species	2,317.6	381.4	631.5	530.8	338.4	197.9	116.0	108.1	13.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 37.—**Volume of live trees on timberland by detailed species and class of timber, Ouachita counties, Arkansas, 1995***

Species	All live	Growing stock	Rough	Rotten
<i>----- Million cubic feet -----</i>				
Shortleaf pine	2,142.8	2,107.3	35.2	0.3
Loblolly pine	300.1	292.5	7.5	0.0
Redcedars	50.0	44.7	5.4	0.0
cypress	20.5	19.0	0.1	1.4
Total softwoods	2,513.4	2,463.6	48.1	1.7
Select white oaks	503.0	452.8	43.6	6.5
Select red oaks	200.5	178.0	19.8	2.7
Other white oaks	273.2	213.6	55.9	3.7
Other red oaks	293.1	264.9	25.1	3.1
Sweet pecan	2.6	2.3	0.0	0.4
Other hickories	171.7	143.2	27.4	1.2
Persimmon	2.1	1.2	1.0	0.0
Hard maples	0.8	0.8	0.0	0.0
Soft maples	25.8	14.6	10.7	0.5
Boxelder	2.5	0.4	2.0	0.1
Beech	2.3	1.8	0.3	0.2
Sweetgum	210.0	195.6	13.7	0.7
Blackgum	66.7	52.7	9.2	4.7
White ash	9.8	8.6	1.0	0.2
Other ashes	28.2	23.2	5.0	0.0
sycamore	9.4	7.8	1.0	0.6
Cottonwoods	0.6	0.6	0.0	0.0
Basswoods	4.2	3.3	0.7	0.2
Willow	0.5	0.5	0.0	0.0
Black walnut	1.2	0.6	0.5	0.1
Black cherry	19.1	15.3	3.7	0.1
American elm	12.5	7.8	4.5	0.2
Other elms	49.2	37.2	11.9	0.1
River birch	9.6	7.9	1.7	0.0
Hackberries	13.0	7.6	5.4	0.0
Black locust	1.3	0.6	0.7	0.0
Other locusts	1.1	0.5	0.6	0.0
Sassafras	0.8	0.2	0.5	0.0
Dogwood	0.4	0.0	0.4	0.0
Other commercial	1.7	1.0	0.6	0.1
Total hardwoods	1,916.9	1,644.6	246.7	25.5
Noncommercial	25.5	0.0	25.5	0.0
All species	4,455.8	4,108.2	320.4	27.2

*Numbers in columns and rows may not add to totals due to rounding.

Table 38.—Volume of sawtimber for tree grade I on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995*

Species	Diameter class (inches at breast height)								Total
	All	9.0-	11.0-	13.0-	15.0-	17.0-	19.0-	21.0-	
									Million board feet†
Shortleaf pine	4,311.3	695.8	1,051.8	1,221.6	681.6	403.0	193.8	63.7	0.0
Loblolly pine	153.1	10.5	47.5	16.3	13.1	44.1	5.1	16.5	0.0
Redcedars	72.0	29.0	15.4	14.8	4.0	0.0	4.7	4.1	0.0
Cypress	25.1	3.6	3.6	3.2	10.7	4.1	0.0	0.0	0.0
Total softwoods	4,561.5	139.0	1,118.3	1,255.8	709.5	453.2	203.5	84.3	0.0
Select white oaks	136.3	0.0	0.0	0.0	14.9	66.0	16.6	38.8	0.0
Select red oaks	57.9	0.0	0.0	0.0	2.1	9.5	16.9	19.6	9.8
Other white oaks	28.3	0.0	0.0	0.0	5.5	6.0	6.6	10.2	0.0
Other red oaks	111.3	0.0	0.0	0.0	25.4	22.6	18.0	43.9	1.5
Sweet pecan	11.3	0.0	0.0	0.0	0.0	0.0	2.6	8.7	0.0
Other hickories	6.9	0.0	0.0	0.0	0.0	3.3	0.0	3.6	0.0
Sweetgum	77.2	0.0	0.0	0.0	2.8	15.1	36.7	22.6	0.0
Blackgum	25.4	0.0	0.0	0.0	6.0	5.8	5.2	4.7	3.7
White ash	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
Other ashes	11.9	0.0	0.0	0.0	0.0	6.6	2.9	2.4	0.0
sycamore	9.3	0.0	0.0	0.0	2.7	0.0	0.0	6.6	0.0
Cottonwoods	2.7	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
American elm	2.8	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0
River birch	6.3	0.0	0.0	0.0	2.5	0.0	0.0	3.8	0.0
Hackberries	2.6	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
Total hardwoods	495.3	0.0	0.0	0.0	64.8	137.6	108.1	169.7	15.0
All species	5,056.8	739.0	1,118.3	1,255.8	774.3	590.8	311.7	254.0	15.0

*Numbers in columns and rows may not add to totals due to rounding.

†International 1/4-inch Rule.

Table 39.—Volume of sawtimber for tree grade 2 on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995*

Species	AH classes	Diameter class (inches at breast height)							
		9.0— 10.9	11.0— 12.9	13.0— 14.9	15.0— 16.9	17.0— 18.9	19.0— 20.9	21.0— 28.9	229.0
----- Million board feet† -----									
Shortleaf pine	2,081.8	365.2	565.9	512.3	332.0	149.6	101.2	55.8	0.0
Loblolly pine	67.2	14.6	23.9	13.0	6.7	5.4	0.0	3.6	0.0
Cypress	22.8	6.5	5.2	7.6	2.5	0.0	0.0	1.0	0.0
Total softwoods	2,171.8	386.2	594.9	532.9	341.2	154.9	101.2	60.3	0.0
Select white oaks	198.1	0.0	0.0	71.3	56.2	34.2	14.5	21.8	0.0
Select red oaks	76.4	0.0	0.0	22.1	26.4	4.8	6.8	16.3	0.0
other white oaks	106.5	0.0	0.0	40.7	26.1	18.6	2.2	18.9	0.0
Other red oaks	136.3	0.0	0.0	34.1	34.7	11.3	23.2	28.8	4.2
other hickories	35.5	0.0	0.0	8.1	12.2	8.0	5.1	2.1	0.0
Soft maples	3.2	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0
Sweetgum	129.1	0.0	0.0	42.9	53.5	8.0	15.6	9.2	0.0
Blackgum	39.5	0.0	0.0	10.5	13.4	4.5	11.1	0.0	0.0
White ash	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
Other ashes	17.3	0.0	0.0	4.5	11.2	1.6	0.0	0.0	0.0
sycamore	7.7	0.0	0.0	2.4	3.0	0.0	0.0	2.3	0.0
Black cherry	1.3	0.0	0.0	2.6	5.5	0.3	0.0	0.0	0.0
American elm	3.5	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0
River birch	10.9	0.0	0.0	4.4	4.1	2.4	0.0	0.0	0.0
Hackberries	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0
Total hardwoods	778.1	0.0	0.0	249.7	249.8	93.7	78.4	102.2	4.2
All species	2,949.9	386.2	594.9	782.7	591.0	248.7	179.6	162.6	4.2

*Numbers in columns and rows may not add to totals due to rounding.

†International 1/4-inch Rule.

Table 40.—*Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995**

Species	All classes	Diameter class (inches at breast height)							
		9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	≥29.0
		----- Million board feet† -----							
Shortleaf pine	2,827.8	192.9	862.5	560.4	310.2	158.1	18.5	65.2	0.0
Loblolly pine	413.0	182.6	124.4	64.3	22.5	1.3	6.3	2.3	3.3
cypress	22.1	4.2	6.9	6.6	0.6	1.9	1.9	0.0	0.0
Total softwoods	3,263.0	919.7	993.8	631.4	333.3	167.3	86.7	67.6	3.3
Select white oaks	400.7	0.0	174.6	93.1	53.8	39.7	22.0	17.3	0.0
Select red oaks	165.4	0.0	79.4	51.1	13.0	10.9	4.9	6.1	0.0
Other white oaks	202.2	0.0	88.5	47.0	33.8	10.4	8.1	14.3	0.0
Other red oaks	215.9	0.0	59.7	56.9	33.1	54.1	35.7	30.1	6.2
Other hickories	123.2	0.0	65.8	26.8	11.2	10.0	0.0	3.3	0.0
Soft maples	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Sweetgum	256.4	0.0	120.3	57.4	40.2	14.2	8.7	11.0	4.7
Blackgum	69.8	0.0	24.6	15.0	14.4	9.1	0.0	6.1	0.0
White ash	5.6	0.0	1.8	2.6	0.0	1.2	0.0	0.0	0.0
Other ashes	11.1	0.0	7.7	1.6	1.9	0.0	0.0	0.0	0.0
Sycamore	10.1	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0
Basswoods	6.9	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0
Black cherry	13.3	0.0	5.5	2.0	2.2	0.0	3.5	0.0	0.0
American elm	4.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Other elms	22.9	0.0	16.3	1.5	3.1	0.0	0.0	1.4	0.0
River birch	9.1	0.0	2.0	1.5	4.1	2.2	0.0	0.0	0.0
Hackberries	5.5	0.0	3.9	0.0	0.0	1.6	0.0	0.0	0.0
Black locust	3.4	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
Other commercial	2.7	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0
Total hardwoods	1,589.9	0.0	675.7	356.4	220.3	153.9	83.0	89.1	10.9
All species	4,852.9	919.7	1,669.5	987.7	553.5	321.3	169.7	151.3	14.2

*Numbers in columns and rows may not add to totals due to rounding.

†International 1/4-inch Rule.

Table 41 .-Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, Ouachita counties, Arkansas, 1995'

Species	All classes	Diameter class (inches at breast height)							
		9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	≥29.0
<i>Million board feet[†]</i>									
Select white oaks	179.1	0.0	57.5	46.3	44.3	6.7	15.1	9.1	0.0
Select red oaks	127.2	0.0	58.6	29.9	9.8	17.1	0.0	8.2	3.6
Other white oaks	126.5	0.0	51.5	30.3	24.6	15.2	3.2	1.6	0.0
Other red oaks	275.2	0.0	51.0	45.3	64.6	31.1	26.0	42.9	14.4
sweet pecan	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Other hickories	60.6	0.0	37.0	18.5	2.3	0.0	2.7	0.0	0.0
Soft maples	4.1	0.0	2.0	0.0	2.1	0.0	0.0	0.0	0.0
Beech	1.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Sweetgum	77.1	0.0	21.7	16.4	18.4	6.8	13.9	0.0	0.0
Blackgum	5.7	0.0	4.6	1.1	0.0	0.0	0.0	0.0	0.0
Other ashes	3.7	0.0	1.5	0.0	0.0	0.0	0.0	2.2	0.0
Willow	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
American elm	1.2	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
Other elms	6.2	0.0	2.1	4.1	0.0	0.0	0.0	0.0	0.0
River birch	3.4	0.0	1.2	0.0	0.0	0.0	0.0	2.1	0.0
Hackberries	4.7	0.0	0.0	1.8	1.2	0.0	0.0	1.7	0.0
Total hardwoods	880.8	0.0	291.9	193.6	168.6	79.8	60.9	67.9	18.0
All species	880.8	0.0	291.9	193.6	168.6	79.8	60.9	67.9	18.0

^{*}Numbers in columns and rows may not add to totals due to rounding.

[†]International 1/4-inch Rule.

Table 42.—Volume of sawtimber on timberland by species and ownership class, Ouachita counties, Arkansas, 1995'

Species	All ownerships	National forest	Other public	Forest industry	Forest industry- leased	Other private
<i>Million board feet[†]</i>						
Yellow pines	9,917.1	6,692.7	338.0	1,460.6	0.0	1,425.8
cypress	76.7	0.0	0.0	0.0	0.0	76.7
Redcedars	75.8	17.1	6.8	6.0	0.0	45.9
Total softwoods	10,069.5	6,709.8	344.7	1,466.6	0.0	1,548.4
Select white-red oaks	1,434.3	747.2	38.4	106.6	0.0	542.0
Other white-red oaks	1,348.5	327.3	259.6	77.4	0.0	684.2
Hickories	245.5	74.9	12.3	31.3	0.0	127.0
Sweetgum	562.1	149.0	146.8	39.7	0.0	226.7
Tupelos and blackgums	154.1	87.0	5.1	16.8	0.0	45.2
Ashes-walnut-black cherry	105.8	18.9	22.1	4.7	0.0	60.2
Other hardwoods	165.7	19.5	38.2	0.0	0.0	108.0
Total hardwoods	4,016.1	1,423.8	522.4	276.6	0.0	1,793.3
All species	14,085.6	8,133.6	867.2	1,743.2	0.0	3,341.7

^{*}Numbers in columns and rows may not add to totals due to rounding.

[†]International 1/4-inch Rule.

Table 43.—Average net annual growth, average annual removals, and average annual mortality of live trees by county and species group, Ouachita counties, Arkansas, 1988-1995'

County	Net growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
<i>----- Million cubic feet -----</i>									
Garland	19.3	14.0	5.3	5.2	3.8	1.4	1.8	0.8	1.0
Logan	13.1	7.6	5.5	5.7	4.7	1.0	1.8	0.6	1.2
Montgomery	9.9	7.4	2.4	11.6	10.5	1.1	4.5	2.5	2.0
Perry	15.8	12.0	3.8	4.9	4.0	0.9	1.5	0.6	0.9
Polk	18.4	11.3	7.1	12.6	7.6	5.0	2.7	1.5	1.2
Pulaski	10.6	4.9	5.7	8.3	3.0	5.2	1.0	0.6	0.4
Saline	22.0	13.4	8.6	15.2	8.9	6.3	1.3	0.3	1.0
Scott	19.6	14.5	5.1	16.5	14.8	1.6	2.3	1.2	1.2
Sebastian	4.2	1.9	2.3	1.1	0.0	1.1	0.9	0.0	0.9
Yell	21.7	15.0	6.7	6.2	3.8	2.4	3.8	0.9	2.9
All counties	154.5	102.1	52.4	87.2	61.2	26.0	21.6	9.0	12.6

*Numbers in columns and rows may not add to totals due to rounding.

Table M.—Average net annual growth, average annual removals, and average annual mortality of live trees by ownership class and species group, Ouachita counties, Arkansas, 1988-1995'

Ownership class	Net growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	softwood	Hardwood	All species	Softwood	Hardwood
<i>----- Million cubic feet -----</i>									
National forest	49.3	34.6	14.7	23.7	20.5	3.2	9.7	5.5	4.2
Other public	9.7	4.4	5.3	3.0	1.9	1.1	2.3	0.5	1.9
Forest industry	42.3	37.0	5.4	21.3	15.7	5.5	3.0	1.2	1.7
Other private	53.2	26.1	27.1	39.3	23.0	16.3	6.6	1.8	4.8
All ownerships	154.5	102.1	52.4	87.2	61.2	26.0	21.6	9.0	12.6

*Numbers in columns and rows may not add to totals due to rounding.

Figures 1 through 8

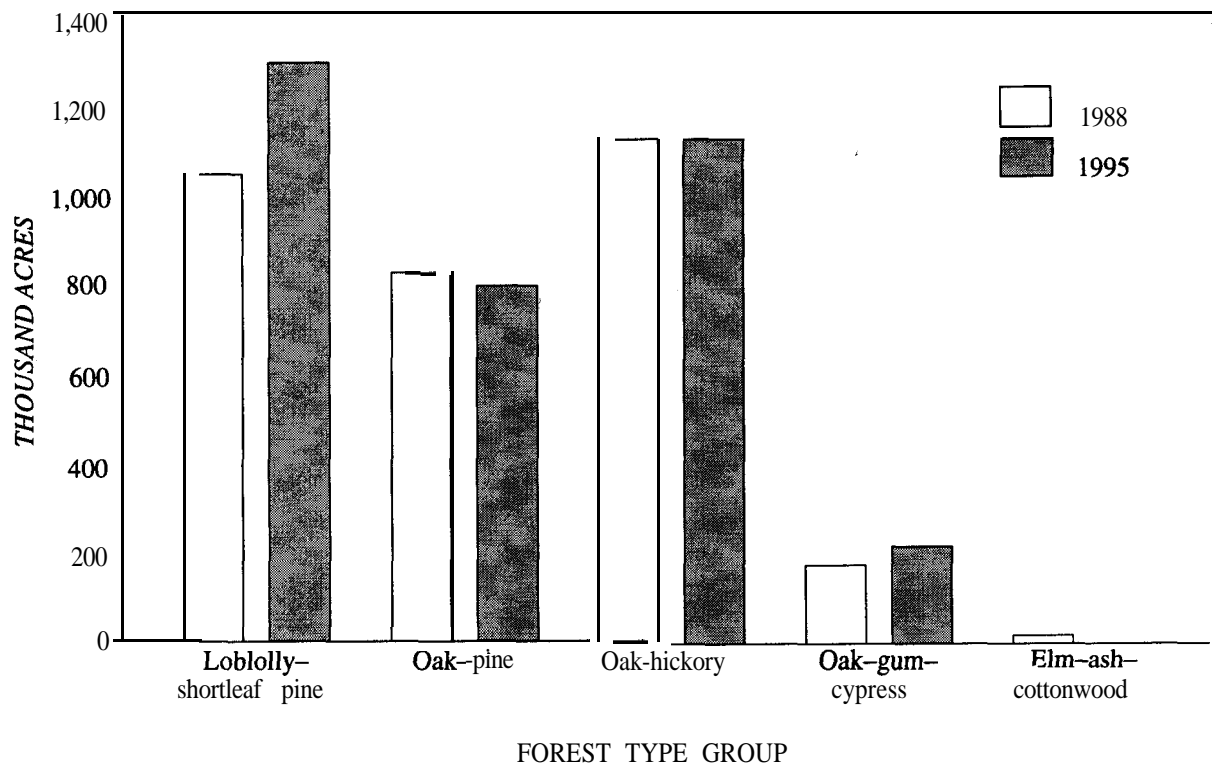


Figure 1.-Area of timberland by forest type group, Ouachita counties, Arkansas, 1988 and 1995.

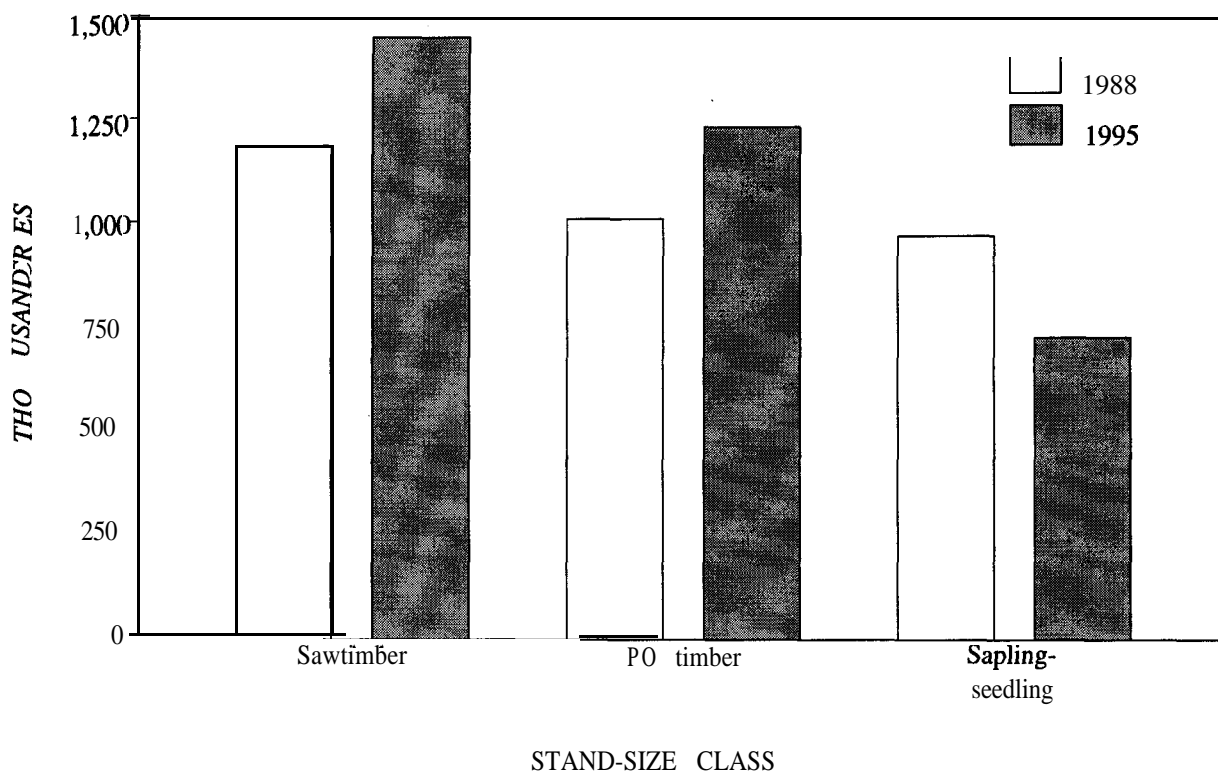


Figure 2.-Area of timberland by stand-size class, Ouachita counties, Arkansas, 1988 and 1995.

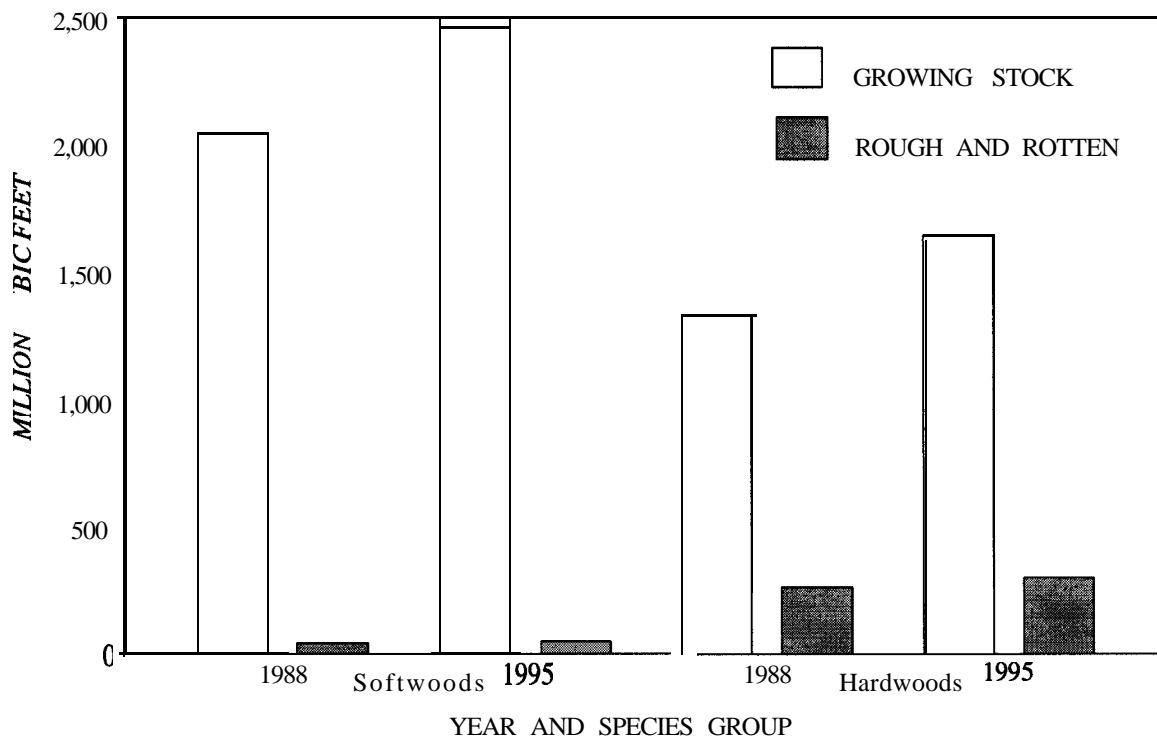


Figure 3.-Volume of live trees on timberland by species group and class of timber, Ouachita counties, Arkansas, 1988 and 1995.

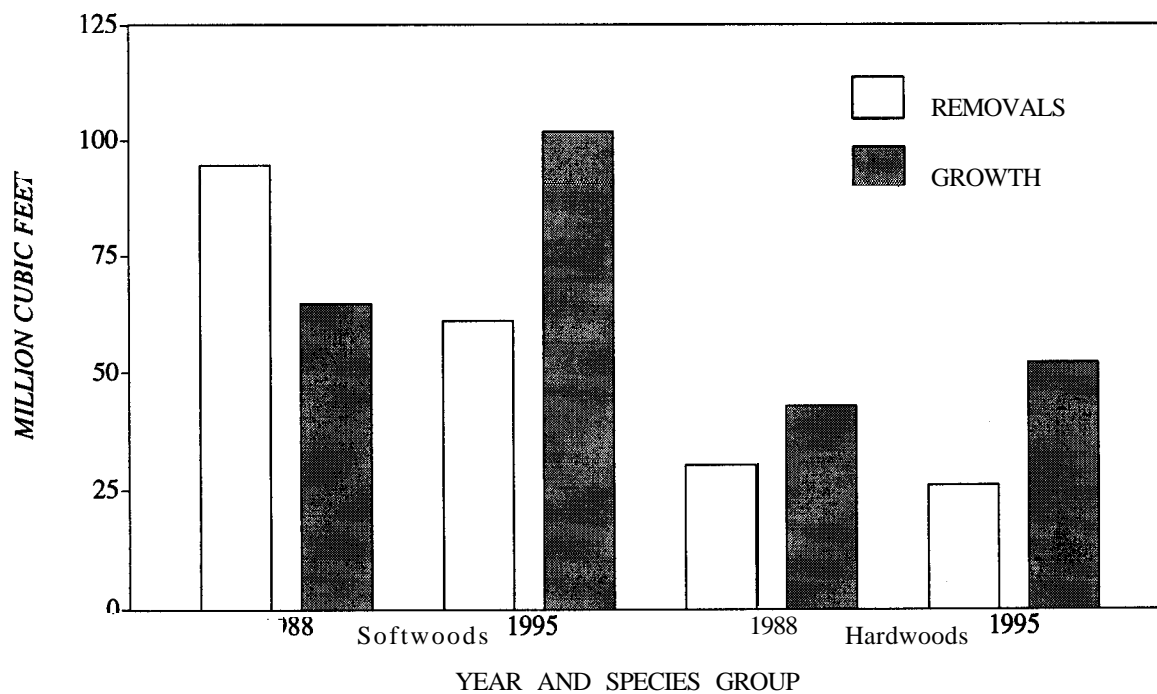


Figure 4.-Average annual removals and average net annual growth of live trees on timberland by species group, Ouachita counties, Arkansas, 1988 and 1995.

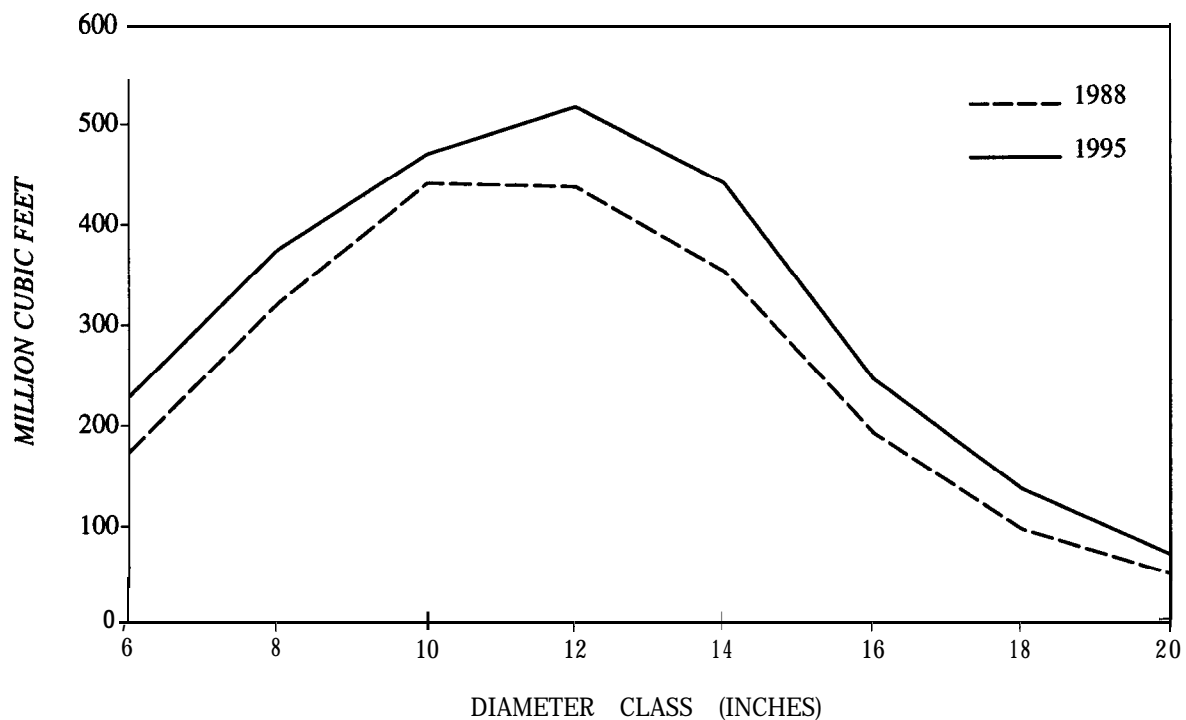


Figure 5.—*Volume of live softwood trees on timberland by diameter class, Ouachita counties, Arkansas, 1988 and 1995.*

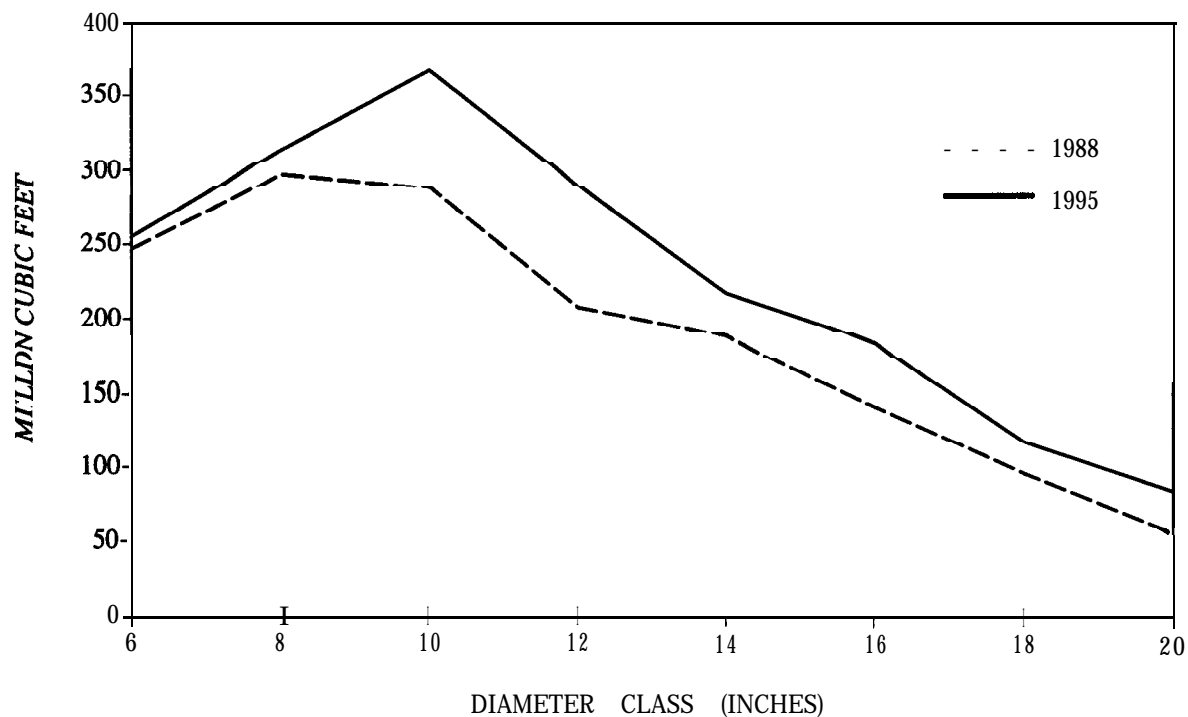


Figure 6.—*Volume of live hardwood trees on timberland by diameter class, Ouachita counties, Arkansas, 1988 and 1995.*

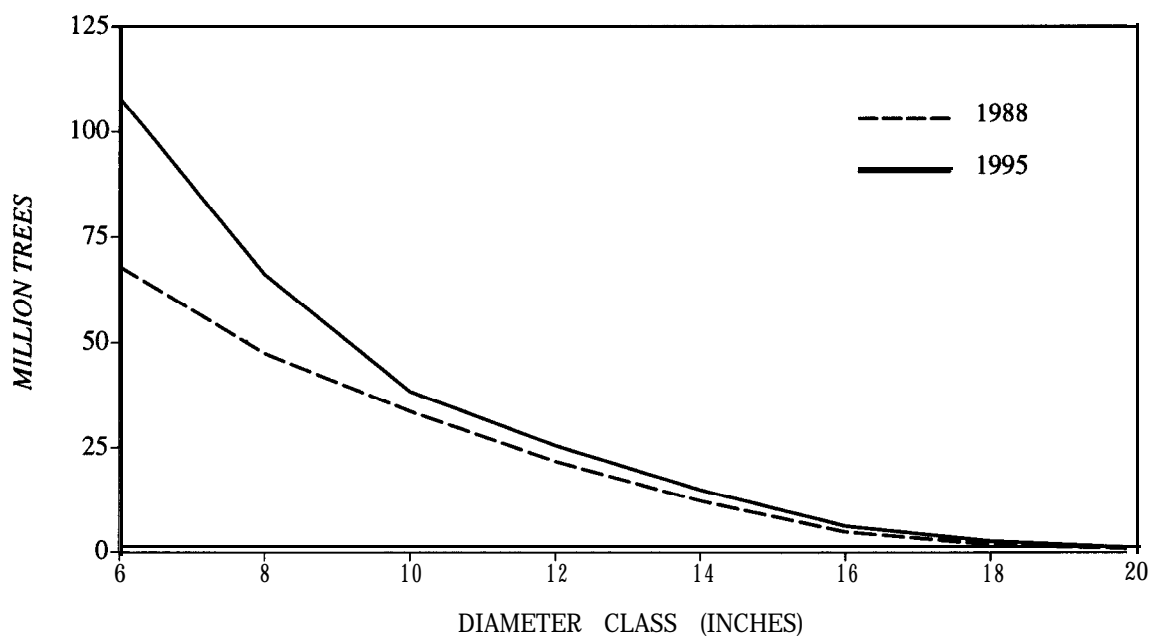


Figure 7.-Number of live softwood trees on timberland by diameter class, Ouachita counties, Arkansas, 1988 and 1995.

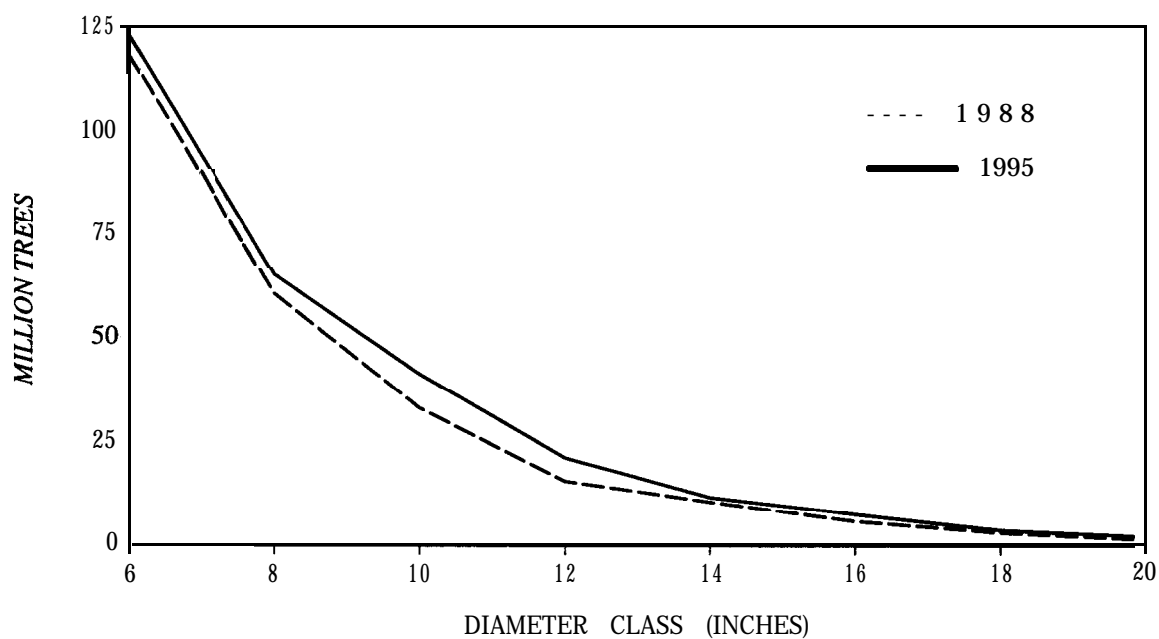


Figure 8.—Number of live hardwood trees on timberland by diameter class, Ouachita counties, Arkansas, 1988 and 1995.

Rosson, James F., Jr.; London, Jack D. 1997. Forest statistics for Arkansas' Ouachita counties-1995. Resour. Bull. SRS-10. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 39 **p.**

Tabulates forest resource information **from** a new inventory of the Ouachita counties of Arkansas.

Keywords: Area, forest type, ownership, stand size, volume.

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